

CURRICULUM VITAE ET STUDIORUM

Prof. Dr. Ing. Giovanni Maria CARLOMAGNO

2018

TITOLI DI STUDIO E CORSI DI AGGIORNAMENTO

- Laurea in Ingegneria Meccanica conseguita il 18.12.1965 presso l'Università degli Studi di Napoli con votazione finale 110/110, lode e pubblicazione della tesi
- Abilitazione all'esercizio della professione d'ingegnere conseguita nella prima sessione del 1966 con voti 120/120
- I Corso di aggiornamento sugli "Sviluppi della Tecnica Aerospaziale", Facoltà di Ingegneria, Università degli Studi di Napoli, Maggio 1966
- AGARD Lecture Series on "Fluid Control Components and Systems", Torino, September 1966
- Second Cranfield Fluidics Conference, Cambridge, England, January 1967
- AGARD Lecture Series on "Supersonic Turbomachinery", Varenna, 15-19 May 1967
- Gas Dynamics and Jet Propulsion Joint Seminars, Princeton University, N. J., USA, 1967/68
- Baetjer Colloquia, Princeton University, N. J., USA, 1968
- AGARD Lecture Series on "Introduction to Inertial Navigation", Facoltà di Ingegneria, Università degli Studi di Napoli, April 1969
- Course on "Biomechanics of Circulation and Respiration", CISM, Udine 1972
- Lecture Series on "The Computer in Experimental Fluid Dynamics", Von Karman Institute, Rhode-St-Genese, 1985

BORSE DI STUDIO E CONTRATTI DI RICERCA

- Corso sugli elaboratori elettronici presso il Centro di Istruzione IBM di Rivoltella del Garda, quale vincitore di una borsa di studio IBM, dal 17.8.1964 al 29.8.1964
- Stage estivo presso la Società per Azioni OTO MELARA di La Spezia dal 31.8.1964 al 15.9.1964
- Borsa di studio dell'OLIVETTI S.p.A. presso l'Istituto di Aerodinamica della Facoltà di Ingegneria dell'Università degli Studi di Napoli, in qualità di allievo interno, dal 1.11.1964 fino al conseguimento della laurea
- Ricercatore su contratti del C.N.R. presso l'Istituto di Aerodinamica della Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 1.1.1966 al 31.10.1966
- Ricercatore a contratto del C.N.R. presso l'Istituto di Aerodinamica della Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 1.11.1966 al 31.10.1967
- Research Assistant presso l'Aerospace and Mechanical Sciences Department dell'Università di Princeton, N.J., USA, dal 1.9.1967 al 30.6.1968
- Ricercatore su contratto Aerospace Research Laboratories F.33615-67C-1065 presso i Gas Dynamics Laboratories dell'Università di Princeton, N.J., USA, dal 1.7.1968 al 31.8.1968
- Borsa di studio AGARD (settembre 1968) per un soggiorno presso i laboratori di trasmissione del calore di: University of Minnesota, Stanford University, California Institute of Technology, State University of New York at Stony Brook, Yale University e Massachusetts Institute of Technology
- Research Assistant presso l'Aerospace and Mechanical Sciences Department dell'Università di Princeton, N.J., USA, dal 1.9.1968 al 31.10.1968

POSIZIONI ACCADEMICHE

- Assistente Incaricato presso la cattedra di "Gasdinamica" della Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 1.2.1967 al 31.7.1967
- Assistente Ordinario, vincitore di concorso, presso la cattedra di "Gasdinamica" della Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 1.8.1967 al 31.10.1982
- Professore Incaricato interno di "Fisica" presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 1.11.1969 al 31.10.1973
- Professore Incaricato Stabilizzato interno di "Fisica" presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 1.11.1973 al 31.10.1975
- Professore Incaricato di "Principi di Matematica e Fisica II" presso la Scuola di Specializzazione in "Tecnologie Biomediche" della Facoltà di Medicina e Chirurgia dell'Università degli Studi di Napoli negli anni accademici 1974/75, 1975/76, 1976/77, 1977/78
- Professore Incaricato Stabilizzato di "Gasdinamica" presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 1.11.1975 al 31.10.1982
- Professore Associato di Gasdinamica presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 01.11.1982 al 05.08.1986
- Professore Supplente di Gasdinamica presso la Facoltà di Ingegneria dell'Università degli Studi di

- Salerno negli anni accademici 1985/86, 1986/87 e 1987/88
- Professore Straordinario di Gasdinamica presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli dal 06.08.1986 al 05.08.1989
- Professore Ordinario di Gasdinamica presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II dal 06.08.1989 al 31.10.2011.
- Professore Supplente di Termofluidodinamica presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II per l'Anno Accademico 1992/93.
- Professore Supplente di Fluidodinamica I e Fluidodinamica II presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II negli Anni Accademici 1995/96, 1996/97, 1997/98, 1998/99, 1999/2000 e 2000/01.
- Professore Supplente di Fluidodinamica I presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II per l'Anno Accademico 2001/02.
- Professore supplente di Gasdinamica I presso l'Accademia Aeronautica negli Anni Accademici 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/08, 22008/09 e 2009/10 e di Gasdinamica negli Anni Accademici 2009/10, 2010/11 e 2011/12.
- Professore del corso di Aerodinamica Sperimentale I presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II per l'Anno Accademico 2009/10.
- Professore a contratto di Gasdinamica presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II per gli Anni Accademici 2011/12 e 2012/13.
- Professore a contratto di Termofluidodinamica presso la Facoltà di Ingegneria dell'Università degli Studi di Napoli Federico II per l'Anno Accademico 2013/14.
- Professore emerito dell'Università degli Studi di Napoli "Federico II" (2014)

INCARICHI ACCADEMICI

- Membro eletto del Consiglio Direttivo del Centro Studi per l'Edilizia dell'Università degli Studi di Napoli, in qualità di rappresentante della Facoltà di Ingegneria dal 1980 al 1984
- Membro eletto del Consiglio di Amministrazione dell'Università degli Studi di Napoli in qualità di rappresentante dei professori stabilizzati per il biennio 1982/83
- Membro della I e III Commissione Consiliare del Consiglio di Amministrazione dell'Università degli Studi di Napoli per il biennio 1982/83
- Membro della Commissione Consultiva dell'Università degli Studi di Napoli per il Consorzio Alfa Romeo Avio-Università degli Studi di Napoli (1983/84)
- Membro del Consiglio Scientifico della Società consortile di ricerca Itronica (Università degli Studi di Napoli, Indesit, Gould) dal 1983 al 1988
- Membro della Commissione liquidazione parcelle concernenti la progettazione e alla direzione di opere del Consiglio di Amministrazione dell'Università degli Studi di Napoli dal 1983 al 1989
- Membro del Collegio dei docenti del dottorato di ricerca in "Ingegneria Aerospaziale" dell'Università degli Studi di Napoli dal 1984 a oggi
- Membro eletto del Consiglio di Amministrazione dell'Università degli Studi di Napoli in qualità di rappresentante dei professori associati per il biennio 1986/87
- Membro della I Commissione Consiliare del Consiglio di Amministrazione dell'Università degli Studi di Napoli per il biennio 1986/87
- Membro della Giunta del Dipartimento di Ingegneria Meccanica per l'Energetica dell'Università degli Studi di Napoli per il biennio 1987/89
- Rappresentante del Rettore nel Comitato Direttivo del Servizio di Automazione delle Biblioteche dell'Università degli Studi di Napoli dal 04.06.87 al 27.12.89
- Direttore del Servizio di Automazione delle Biblioteche dell'Università degli Studi di Napoli dal 05.08.1987 al 16.04.90
- Membro del Comitato Tecnico Scientifico della Convenzione tra la Regione Campania e l'Università degli Studi di Napoli sulla Formazione Professionale dal 1988 al 1990
- Membro della Giunta del Dipartimento di Energetica, Termofluidodinamica Applicata e Condizionamenti Ambientali dell'Università degli Studi di Napoli per il biennio 1989/91
- Membro del Comitato della Convenzione quadro tra la Società Italiana Vetro p.A. e l'Università degli Studi di Napoli dal 1988 al 1994
- Membro eletto della Commissione Scientifica per l'Ingegneria Industriale dell'Università degli Studi di Napoli per il biennio 1988/90

- Presidente della Commissione Scientifica per l'Ingegneria Industriale dell'Università degli Studi di Napoli per il biennio 1988/90
- Presidente del Consiglio di Corso di Laurea in Ingegneria Meccanica dell'Università degli Studi di Napoli per il triennio 1989/92
- Membro del Comitato Ordinatore della Facoltà di Ingegneria dell'Università di Siena per il triennio 1991/94
- Membro del Comitato Nazionale di Coordinamento dell'Area Meccanica dal 1991 al 1998
- Membro eletto del Consiglio di Amministrazione dell'Università degli Studi di Napoli Federico II in qualità di rappresentante dei professori ordinari per il biennio 1992/93
- Presidente della I Commissione Consiliare del Consiglio di Amministrazione dell'Università degli Studi di Napoli Federico II per il biennio 1992/93
- Membro del Comitato Direttivo del Servizio di Automazione delle Biblioteche dell'Università degli Studi di Napoli Federico II per il biennio 1992/93
- Socio corrispondente dell'Accademia Pontaniana (Classe I – Scienze Matematiche Pure e Applicate) dal 30/04/1992
- Membro eletto del Consiglio di Amministrazione dell'Università degli Studi di Napoli Federico II in qualità di rappresentante dei professori ordinari per il biennio 1994/95
- Presidente della I Commissione Consiliare del Consiglio di Amministrazione dell'Università degli Studi di Napoli Federico II per il biennio 1994/95
- Membro della Giunta del Dipartimento di Energetica, Termofluidodinamica Applicata e Condizionamenti Ambientali dell'Università degli Studi di Napoli Federico II per il biennio 1994/96
- Membro eletto della Commissione Scientifica per le Scienze dell'Ingegneria Industriale e dell'Informazione dell'Università degli Studi di Napoli Federico II per il biennio 1997/98
- Presidente del Consiglio di Corso di Laurea in Ingegneria Aerospaziale dell'Università degli Studi di Napoli Federico II per il triennio 1998/2001.
- Membro del Comitato dei Consorziati dell'Agenzia per la Ricerca e la Produzione Avanzata (ARPA) designato dall'Università di Napoli Federico II per il triennio 2001/04.
- Presidente del Consiglio di Corso di Laurea in Ingegneria Aerospaziale dell'Università degli Studi di Napoli Federico II per il triennio 2001/04.
- Membro eletto della Commissione Scientifica del Polo delle Scienze e delle Tecnologie dell'Università degli Studi di Napoli Federico II per il triennio accademico 2002/05.
- Presidente del Consiglio di Corso di Laurea in Ingegneria Aerospaziale dell'Università degli Studi di Napoli Federico II dal 2004 al 2006.
- Socio ordinario dell'Accademia Pontaniana (Classe I – Scienze Matematiche Pure e Applicate) dal 27/05/2004
- Membro del Comitato dei Consorziati dell'Agenzia per la Ricerca e la Produzione Avanzata (ARPA) designato dall'Università di Napoli Federico II per il triennio 2004/07.
- Membro del Consiglio di Amministrazione della T.E.S.T. Scarl - CRdC Trasporti in qualità di rappresentante dell'Università degli Studi di Napoli Federico II dal 2006 al 2010.
- Membro del Comitato dei Consorziati dell'Agenzia per la Ricerca e la Produzione Avanzata (ARPA) designato dall'Università di Napoli Federico II per il triennio 2007/10.
- Presidente del Consorzio Agenzia per la Ricerca e la Produzione Avanzata (ARPA) (2008/2012)

INCARICHI DIDATTICI

- Docente del "I corso di Aggiornamento in Bioingegneria" organizzato dalle Facoltà di Ingegneria e di Medicina e Chirurgia dell'Università degli Studi di Napoli, Aprile-Maggio 1970
- Docente del Corso Monografico sulla "Termoregolazione" organizzato dal Centro Internazionale di Bioingegneria di Caserta, Maggio-Luglio 1974
- Responsabile e docente del corso di "Scambio Termico" per ricercatori laureati tenuto nel 1976 presso la Società Italiana Vetro S.p.A., San Salvo (CH)
- Docente del Seminario sulle Tecnologie degli Impianti Nucleari della Facoltà di Ingegneria dell'Università degli Studi di Napoli per gli anni accademici 1981/82, 82/83 e 83/84
- Docente dei Corsi per Responsabili dell'Energia organizzati dal CESVITEC (Napoli) e dalla Camera di Commercio di Caserta (1983)
- Responsabile e docente di due corsi di 80 ore ciascuno su "Theoretical and Applied Glass Technology" tenuti presso lo stabilimento McGraw della Chrysler Co., Detroit, Michigan, tenuti nel

settembre e nel dicembre 1986

- Docente nel corso sui "Sensori per applicazioni industriali" organizzato da CRIAI e Tecnopolis CSATA, Portici (1989)
- Docente nella Lecture Series on "Measurement Techniques for Hypersonic Flows" organized by the Von Karman Institute for Fluid Dynamics, Rhode-St. Genese, Belgium (1990)
- Responsabile e docente di un corso su "Infrared Thermography" tenuto presso la Glasstech Inc., Perrysburg, Ohio (1990)
- Docente nel corso sui "Sensori: Problematiche Metrologiche e Soluzioni Tecnologiche" organizzato dall'Associazione Italiana Strumentisti e dalla Sezione Italiana della Instrument Society of America, Milano (1992)
- Responsabile e docente del corso su "Applicazioni della termografia nella misura dei coefficienti di scambio termico" tenuto presso la Alfa Romeo Avio S.p.A., Pomigliano d'Arco (1992)
- Docente nella Lecture Series on "Measurement Techniques" organized by the Von Karman Institute for Fluid Dynamics, Rhode-St-Genese, Belgium (1993)
- Docente nel corso IV Master in Tecnologia organizzato dal Consorzio QUATEC, Napoli (1994)
- Docente del corso "Thermography - Application to Fluids" of the Eurotherm Seminar No. 42 on Quantitative Infrared Thermography (QIRT 94), Sorrento, Italy (1994)
- Docente del corso "Fluidodinamica Applicata" nell'ambito del Diploma in Ingegneria Meccanica Telempartito dal Consorzio Nettuno negli anni accademici 1995/96, 1996/97, 1997/98, 1998/99, 1999/2000, 2000/01, 2001/02, 2002/03, 2003/04, 2004/05, 2005/06, 2006/2007, 2007/2008 e 2008/2009
- Docente del corso "Thermography - Application to Fluids" of the Eurotherm Seminar No. 50 on Quantitative Infrared Thermography(QIRT 96), Stuttgart, Germany (1996)
- Docente del corso "Thermography - Application to Fluids" of the Eurotherm Seminar No. 60 on Quantitative Infrared Thermography(QIRT 98), Lodz, Poland (1998)
- Docente del corso "Application of Thermography to Thermofluidynamics" of the Eurotherm Seminar No. 64 on Quantitative Infrared Thermography (QIRT 2000), Reims, France (2000).
- Docente del corso "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 02), Dubrovnik, Croatia (2002)
- Docente della Quarta Scuola Estiva di Termofluidodinamica su "Termofluidodinamica Sperimentale e Tecniche di Misura" del corso "Tecniche avanzate di misura: Termografia IR" Siena, Italy (2003)
- Docente del corso "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 04), Rhode St. Genese, Belgium (2004)
- Docente del corso "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 06), Padova, Italy (2006)
- Docente della Settima Scuola Estiva di Termofluidodinamica sulle Tecniche Sperimentali in Termofluidodinamica del corso "Tecniche avanzate di misura: PIV, Termografia IR e Cristalli liquidi", Siena, Italy (2007)
- Docente del corso "Application of Infrared Thermography to Thermo-Fluid-Dynamics" of the 9th International Workshop on Advanced Infrared Technology and Applications, Leon, Mexico (2007)
- Docente del corso "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 08), Krakow, Poland (2008)
- Docente della Decima Scuola Estiva di Termofluidodinamica sulle Tecniche Sperimentali in Termofluidodinamica del corso "Tecniche avanzate di misura: PIV; Termografia IR e Cristalli liquidi", Siena, Italy (2010)
- Docente del corso "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 10), Quebec City, Quebec (2010)
- Docente del corso "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 12), Napoli, Italy (2012)
- Professore a contratto del modulo Gasdinamica gel corso di Gasdinamica della Facoltà di Ingegneria dell'Università degli Studi di Napoli per gli anni accademici 2011/12 e 2012/13
- Professore a contratto del modulo Termofluidodinamica gel corso di Gasdinamica della Facoltà di Ingegneria dell'Università degli Studi di Napoli per l'anno accademico 2013/14
- Docente del corso "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 14), Bordeaux, France (2014)
- Ciclo di seminari su "Modern research methods in convective heat transfer" presso la Ural Federal

University Boris Yeltsin, Ekaterinburg, Russia, September 23/25, 2014

- Docente del corso "Thermal problems in fluid dynamics" of the Seminar on Quantitative Infrared Thermography (QIRT 16), Gdansk, Poland (2016)

INCARICHI SCIENTIFICI O DI RAPPRESENTANZA

- Membro del Consiglio Scientifico del gruppo "Fluidodinamica" del Consiglio Nazionale delle Ricerche per il triennio 1983/86
- Componente del gruppo di ricerca operante nell'ambito della Convenzione tra il Ministero della Protezione Civile, il Comune di Pozzuoli e l'Università degli Studi di Napoli (1983/87)
- Membro del Consiglio Direttivo dell'Associazione Italiana di Aeronautica ed Astronautica per il quadriennio 1987/91
- Presidente della Conferenza 23/2 del Corso di perfezionamento in "Economia dell'Affidabilità e della Qualità nei Sistemi di Produzione", Università degli Studi di Napoli (1990)
- Membro del Consiglio della Sezione di Napoli dell'Associazione Italiana di Aeronautica e di Astronautica per il quadriennio 1991/95
- Membro del Consiglio Direttivo dell'Associazione Italiana di Aeronautica e Astronautica per il quadriennio 1991/95
- Membro della General Assembly dell'ICAS (International Council of the Aeronautical Sciences) per il quadriennio 1991/1995 in qualità di rappresentante italiano
- Membro del Quantitative Infrared Thermography Working Group dal 1992 ad oggi
- Presidente della Commissione di Omologazione e Collaudo del progetto Telaer per conto dello IASM (poi IPI) dal 1992 al 2005
- Presidente della Commissione di Omologazione e Collaudo del progetto Terra del Sud per conto dello IASM (poi IPI) dal 1992 al 1999
- Presidente del Comitato Scientifico del Consorzio QUATEC tra Innovare S.r.L. e Università degli Studi di Napoli per il quadriennio 1993/97
- Chairman del Quantitative Infrared Thermography Working Group per il biennio 1993-94.
- Membro del Comitato Consultivo Scientifico della CIRA S.p.A. di Capua per il triennio 1993/96
- Membro del Consiglio Scientifico del Centro di Studio per la Dinamica dei Fluidi di Torino del C.N.R. dal 1993 al 2001
- Membro dello Scientific Council of the International Centre for Heat and Mass Transfer dal 1993 ad oggi
- Membro dell'Advisory Board del Pacific Center of Thermal-Fluids Engineering, State of Hawaii, USA dal 1994 ad oggi
- Membro del Technical Advisory Committee of the von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese dal 1995 al 2016
- Membro del Consiglio Direttivo dell'Associazione Italiana di Aeronautica ed Astronautica per il quadriennio 1995/99
- Membro della General Assembly dell'ICAS (International Council of the Aeronautical Sciences) per il quadriennio 1995/99 in qualità di rappresentante italiano
- Esperto per la valutazione delle proposte di ricerca del programma INCO-COPERNICUS 1996 presso la Comunità Europea, Directorate General XII, Science Research and Development
- Membro dell'Executive Committee dell'ICAS (International Council of the Aeronautical Sciences) per il quadriennio 1996/2000
- Deputy Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (1996/98)
- Membro del Comitato tecnico amministrativo di cui alla L. 184/1975 del Ministero dell'Industria, Commercio, Artigianato ed attribuzioni Partecipazioni Statali dal 1997 al 2003.
- Membro del Comitato Consultivo Scientifico della CIRA S.p.A. di Capua per il triennio 1997/2000
- Presidente del Consiglio Scientifico del Centro di Studio per la Dinamica dei Fluidi di Torino del C.N.R. dal 1998 al 2001
- Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese dal 1998 al 2000
- Membro della General Assembly dell'ICAS (International Council of the Aeronautical Sciences) per il quadriennio 1999/2003 in qualità di rappresentante italiano
- Membro dell'Executive Committee dell'ICAS (International Council of the Aeronautical Sciences) dal

2001 al 2004

- Deputy Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2002/04)
- Membro della General Assembly dell'ICAS (International Council of the Aeronautical Sciences) per il quadriennio 2003/07 in qualità di rappresentante italiano
- Esperto per la valutazione delle proposte di ricerca del programma Bando di Ateneo per la realizzazione di progetti congiunti con Enti ed Imprese del Territorio "Joint Projects" dell'Università di Verona (2006)
- Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2004/06)
- Esperto per la valutazione della totalità delle proposte di ricerca del programma Aerospazio Lazio della Direzione Generale per il Coordinamento e lo Sviluppo della Ricerca del MIUR (2006/07).
- Esperto per la valutazione delle proposte di ricerca scientifica applicata, rivolto a progetti di ricerca presentati nel settore Aeronautica e Spazio della Regione Piemonte (2005/06).
- Membro dell'Executive Committee dell'ICAS (International Council of the Aeronautical Sciences) dal 2005 al 2008
- Esperto per la valutazione delle proposte di ricerca del programma di progetti di ricerca industriale e sviluppo sperimentale della Regione Veneto (POR 112) dal 2007
- Esperto per la valutazione dello sviluppo di proposte di ricerca LAGS e GAPACOM del programma Aerospazio Lazio della Direzione Generale per il Coordinamento e lo Sviluppo della Ricerca del MIUR (2007/oggi).
- Esperto per la valutazione delle proposte di ricerca del programma dell'Accordo di Programma Quadro in materia di Ricerca Scientifica Intervento Costituzione di Reti di Laboratori Pubblici di Ricerca della Regione Puglia (2008)
- Esperto per la valutazione di progetti di ricerca industriale della Provincia autonoma di Trento (2009)
- Esperto per la valutazione delle proposte di ricerca, sviluppo, innovazione e trasferimento tecnologico della Regione Marche (2008/2009)
- Deputy Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2008/10)
- Esperto per la valutazione delle proposte del programma di progetti di ricerca industriale e sviluppo sperimentale della Regione Emilia-Romagna (PRRIITT) (2009)
- Membro del COOPERATEUS (American and European Aviation Research Cooperation) Advisory Board (2010/2012)
- Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2010/12)
- Membro effettivo del Collegio dei Probiviri dell'Associazione Italiana di Aeronautica e Astronautica dal 2011
- Membro del board of directors dell'Associazione italiana di velocimetria laser e diagnostica non invasiva (A.I.VE.LA) dal 2011
- Esperto per la valutazione delle proposte di ricerca del programma EUROSTARS per conto del MIUR (2012)
- Esperto per la valutazione delle proposte del programma di progetti di ricerca industriale e sviluppo sperimentale per conto della Regione Sardegna (2012)
- Esperto per la valutazione delle proposte del programma di progetti di ricerca del bando "SIR 2014" del MIUR (Ministero dell'Istruzione, dell'Università e della Ricerca), (2014)
- Esperto per la valutazione del programma di ricerca HOTGAUGE del bando EUROSTARS per conto del MIUR (2014/2016)

PRESIDENZA DI CONGRESSI

- Co-chairman del Meeting/Workshop on "Energy Stability and Convection", Capri, Italy (1986)
- Chairman della 4th International Conference on "Computational Methods and Experimental Measurements" (CMEM 89), Capri, Italy (1989)
- Chairman and Co-organizer del HERMES Aerodynamics R&D Meeting on Wind Tunnels, Capua, Italy (1990)
- Chairman della 5th International Conference on "Computational Methods and Experimental Measurements" (CMEM 91), Montreal, Canada (1991)

- Co-chairman del 2nd International Workshop on "Advanced Infrared Technology and Applications" (AITA 93), Capri, Italy (1993)
- Chairman della 6th International Conference on "Computational Methods and Experimental Measurements" (CMEM 93), Siena, Italy (1993)
- Chairman della 2nd International Conference on "Quantitative Infrared Thermography", (QIRT 94), Sorrento, Italy (1994)
- Chairman della 7th International Conference on "Computational Methods and Experimental Measurements" (CMEM 95), Capri, Italy (1995)
- Co-chairman del 3rd International Workshop on "Advanced Infrared Technology and Applications" (AITA 95), Capri, Italy (1995)
- Chairman della 3rd International Conference on "Quantitative Infrared Thermography" (QIRT 96), Stuttgart, Germany (1996)
- Chairman della 8th International Conference on "Computational Methods and Experimental Measurements" (CMEM 97), Rodi, Greece (1997)
- Co-chairman del 4th International Workshop on "Advanced Infrared Technology and Applications" (AITA 97), Firenze, Italy (1997)
- Chairman del 8th International Symposium on Flow Visualization (ISFV 8), Sorrento, Italy (1998)
- Chairman della 4th International Conference on "Quantitative Infrared Thermography" (QIRT 98), Lodz, Poland (1998)
- Chairman della 9th International Conference on "Computational Methods and Experimental Measurements" (CMEM 99), Sorrento, Italy (1999)
- Co-chairman del 5th International Workshop on "Advanced Infrared Technology and Applications" (AITA 99), Venezia, Italy (1999)
- Chairman della 5th International Conference on "Quantitative Infrared Thermography" (QIRT 2000), Reims, France (2000)
- Co-chairman del 6th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2001), Siena, Italy (2001)
- Chairman della 10th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2001), Alicante, Spain (2001)
- Chairman della 6th International Conference on "Quantitative Infrared Thermography" (QIRT 2002), Dubrovnik, Croatia (2002)
- Co-chairman del 7th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2003), Pisa, Italy (2003)
- Chairman della 11th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2003), Halkidiki, Greece (2003)
- Chairman del VII Triennial International Symposium on Fluid Control, Measurement and Visualization (FLUCOME 2003), Sorrento, Italy (2003)
- Chairman della 7th International Conference on "Quantitative Infrared Thermography" (QIRT 2004), Rhode St. Genese, Belgium (2004)
- Co-chairman del 8th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2005), Roma, Italy (2005)
- Chairman della 12th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2005), Malta (2005)
- Chairman del Symposium on "High Performance Vehicles Design", EUROAVIA, Naples (April 2005)
- Chairman della 13th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2007), Prague, Czech Republik (2007)
- Co-chairman del 9th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2007), Leon, Mexico (2007)
- Chairman della 14th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2009), Algarve, Portugal (2009)
- Co-chairman del 10th International Workshop on "Advanced Infrared Technology and Applications" (AITA 09), Firenze, Italy (2009)
- Chairman della 15th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2011), Southampton, U.K. (2011)
- Co-chairman del 11th International Workshop on "Advanced Infrared Technology and Applications"

- (AITA 11), L'Aquila, Italy (2011)
- Chairman della 16th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2013), A Coruña, Spain. (2013)
- Co-chairman del 12th International Workshop on "Advanced Infrared Technology and Applications" (AITA 13), Torino, Italy (2013)
- Chairman della 17th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2015), Opatija, Croatia. (2015)
- Chairman della 18th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2017), Alicante, Spain. (2017)
- Chairman della 19th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2019), Seville, Spain. (2019)

MEMBRO DEL COMITATO ORGANIZZATORE O SCIENTIFICO DI CONGRESSI

- Member of the Organizing Committee of the II Congresso Nazionale dell'Associazione Italiana di Meccanica Teorica ed Applicata, Napoli (1974)
- Member of the Directory Board of the 5th International Symposium on Flow Visualization (ISFV 5), Prague, Czech Republic (1989)
- Member of the Scientific Committee of the X Congresso Nazionale della Associazione Italiana di Aeronautica e Astronautica, Pisa (1989)
- Member of the Scientific Committee of the 2nd International Symposium on Multiphase Flow and Heat Transfer, Xi'an, China (1989)
- Member of the Scientific Committee of the International Conference "Aerospace Research: Outlooks for the 90's", Forlì (1989)
- Member of the Comitato Scientifico of the XI Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Forlì (1991)
- Member of the International Organizing Committee of the 6th International Symposium on Flow Visualization (ISFV 6), Yokohama, Japan (1992)
- Member of the Scientific Committee of the 1st International Workshop on "Advanced Infrared Technology and Applications", Firenze, Italy (1992)
- Member of the Scientific Committee of the Eurotherm Seminar No. 27 "Quantitative Infrared Thermography", Paris, France (1992)
- Member of the Organizing Committee of the International Seminar-Exhibition "Computer Aided Design of Advanced Materials and Technologies", Tomsk, Siberia (1992)
- Member of the Seminar Committee of the International Seminar Imaging in Transport Processes organizzato dall'International Centre for Heat and Mass Transfer, Athens, Greece (1992)
- Member of the Scientific Committee of the 2nd International Workshop on Advanced Infrared Technology and Applications, Capri, Italy (1993)
- Member of the International Committee of the First International Thermal Energy Congress (ITEC-93), Marrakesh, Marocco (1993)
- Member of the Program Committee of the Dedicated Conference on Mechatronics del 26th ISATA Symposium, Aachen, Germany (1993)
- Member of the Scientific Committee of the 8th International Conference on Thermal Engineering and Thermogrammetry, Budapest, Hungary (1993)
- Corresponding Chairman of the 4th Triennial International Symposium on "Fluid Control, Measurement and Visualization" (FLUCOME '94), Toulouse '94
- Member of the International Scientific Committee of the International Conference on Fluid and Thermal Energy Conversion' 94, Bali, Indonesia (1994)
- Member of the Scientific Committee of the II International Conference on Experimental Fluid Mechanics (I.C.E.F.M. 1994), Torino, Italy (1994)
- Member of the European Scientific Committee of the Fifth International Conference of Fluid Mechanics (ICFM5), Cairo, Egitto (1995)
- Member of the Scientific Committee of the 9th International Conference on Thermal Engineering and Thermogrammetry, Budapest, Hungary (1995)
- Member of the International Organizing Board of the 7th International Symposium on Flow Visualization (ISFV 7), Seattle, USA (1995)

- Member of the Organizing Committee of the XII Congresso Nazionale dell'Associazione Italiana di Meccanica Teorica ed Applicata, Napoli (1995)
- Member of the Scientific Committee of the 3rd International Workshop on Advanced Infrared Technology and Applications, Capri, Italy (1995)
- Member of the International Scientific Committee of the 2nd International Thermal Energy Congress ITEC 95, Agadir (1995)
- Member of the Scientific Committee of the XIII Congresso Nazionale dell'Associazione Italiana di Aeronautica ed Astronautica, Roma (1995)
- Member of the International Scientific Committee of the 6th International Symposium on Transport Phenomena and Dynamics of Rotating Machinery, Honolulu (1996)
- Member of the Organizing Committee of the XX Congress of the International Council of Aeronautical Sciences (ICAS 96), Sorrento, Italy (1996)
- Member of the Scientific Committee of the 6th International Conference of Fluid Mechanics (ICFM 6), Cairo (1996)
- Member of the International Scientific Committee of the 3rd International Conference on "Quantitative Infrared Thermography" (QIRT 96), Stuttgart (1996)
- Member of the International Advisory Board of the Pacific Symposium on Flow Visualization and Image Processing (PSFVIP-1), Honolulu (1997)
- Member of the Scientific Committee of the 4th International Workshop on Advanced Infrared Technology and Applications, Firenze, Italy (1997)
- Member of the International Scientific Committee of the 3rd International Thermal Energy Congress ITEC 97, Kitakyushu (1997)
- Member of the Scientific Committee of the 3rd International Conference on Experimental Fluid Mechanics, Kaliningrad, Russia (1997)
- Member of the Advisory Committee of the 10th International Symposium on Transport Phenomena in Thermal Science and Process Engineering (ISTP-10), Kyoto (1997)
- Member of the Comitato Scientifico of the XIV Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Napoli (1997)
- Member of the Scientific Committee of the V International Symposium on "Fluid Control, Measurement and Visualization" (FLUCOME 97), Hayama, Japan (1997)
- Member of the International Steering Committee of the Fifth Triennial International Symposium on Fluid Control, Measurement and Visualization (FLUCOME '97) Hayama, Japan (1997)
- Member of the International Scientific Committee of the International Symposium on Transport Phenomena and Dynamics of Rotating Machinery (ISROMAC-7) (1998)
- Member of the Advisory Board of the International Conference on Optical Technology and Image Processing in Fluid, Thermal and Combustion Flow, Yokohama, Japan (1998)
- Member of the International Scientific Committee of the 11th International Symposium on Transport Phenomena (ISTP-11), Hsinchu, Taiwan (1998)
- Member of the International Scientific Committee of the 4th International Conference on "Quantitative Infrared Thermography" (QIRT 98), Lodz, Poland (1998)
- Member of the International Organizing Committee of the 2nd Pacific Symposium on Flow Visualization and Image Processing (PSFVIP-2), Honolulu (1999)
- Member of the Scientific Committee of the 5th International Workshop on Advanced Infrared Technology and Applications, Venice, Italy (1999)
- Member of the Advisory Scientific Committee of the Euromech Colloquium n. 406 on Image Processing Methods in Applied Mechanics, Warsaw (1999)
- Member of the Scientific Committee of the XV Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Torino (1999)
- Member of the Scientific Committee of the VI International Symposium on "Fluid Control, Measurement and Visualization" (FLUCOME 2000), Sherbrooke (Quebec) Canada (2000)
- Member of the Honorary Board of the 9th International Symposium on Flow Visualization (ISFV 9), Edimburgh (2000)
- Member of the Scientific Committee of the Millennium Seminar on Optical Methods and Data Processing in Heat and Fluid Flow, Warwick, UK (2000)
- Member of the International Scientific Committee of the 5th International Conference on "Quantitative Infrared Thermography" (QIRT 2000), Reims, France (2000)

- Member of the International Scientific Committee of the 12th International Symposium on Transport Phenomena (ISTP-12), Istanbul, Turkey (2000)
- Member of the Scientific Committee of the 6th International Workshop on Advanced Infrared Technology and Applications, Siena, Italy (2001)
- Membro of the Scientific Committee of the 4th International Thermal Energy Congress (ITEC 20019, Cesme, Turkey (2001)
- Member of the International Advisory Committee of the 3rd Pacific Symposium on "Flow Visualization and Image Processing", (PSFVIP-3), Wailea, USA (2001)
- Member of the Scientific Committee of the "Visualization and Imaging in Transport Phenomena" (VIM 2001), Antalya, Turkey (2002)
- Member of the Honorary Board of the 10th International Symposium on Flow Visualization (ISFV 10), Kyoto, Japan (2002)
- Member of the International Scientific Committee of the 6th International Conference on "Quantitative Infrared Thermography" (QIRT 02), Dubrovnik, Croatia (2002)
- Member of the International Scientific Committee of the 13th International Symposium on Transport Phenomena (ISTP-13), Victoria BC, Canada (2002)
- Member of the Scientific Committee of the "Eurotherm Seminar n° 71", Visualization, Imaging and Data Analysis in Convective Heat and Mass Transfer, Reims, France (2002)
- Member of the International Scientific Committee of the 14th International Symposium on Transport Phenomena (ISTP-14), Bali, Indonesia (2003)
- Member of the Comitato Scientifico of the XVII Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Roma (2003)
- Member of the International Organizing Committee of the 4th Pacific Symposium on "Flow Visualization and Image Processing", (PSFVIP-4), Chamonix, France (2003)
- Member of the Scientific Committee of the 7th International Workshop on Advanced Infrared Technology and Applications, Pisa, Italy (2003)
- Member of the Honorary Board of the 11th International Symposium on Flow Visualization (ISFV 11), Notre Dame IN, USA (2004)
- Member of the International Organizing Committee of the 15th International Symposium on Transport Phenomena (ISTP-15), Bangkok, Thailand (2004)
- Member of the QIRT Steering Committee and of the International Scientific Committee della 6th International Conference on "Quantitative Infrared Thermography" (QIRT 04), Rhode-St-Genese, Belgium (2004)
- Member of the Comitato Scientifico of the XVIII Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Volterra (2005)
- Member of the International Advisory Committee of the 5th Pacific Symposium on "Flow Visualization and Image Processing", (PSFVIP-5), Daydream Island, Australia (2005)
- Member of the International Organizing Committee of the 16th International Symposium on Transport Phenomena (ISTP-16), Prague, Czech. Rep. (2005)
- Member of the Honorary Board of the VIII International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2005), Chengdu, China (2005)
- Member of the Scientific Committee of the 8th International Workshop on Advanced Infrared Technology and Applications, Siena, Italy (2005)
- Member of the Honorary Board of the 12th International Symposium on Flow Visualization, Gottingen, Germany (2006)
- Member of the International Organizing Committee of the 17th International Symposium on Transport Phenomena (ISTP-17), Toyama, Japan (2006)
- Member of the QIRT Steering Committee and of the International Scientific Committee della 7th International Conference on "Quantitative Infrared Thermography" (QIRT 06), Padova, Italy (2006)
- Member of the Honorary Board of the IX International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2007), Tallahassee, USA (2007)
- Member of the International Advisory Committee of the 6th Pacific Symposium on "Flow Visualization and Image Processing", (PSFVIP-6), Honolulu, USA (2007)
- Member of the International Technical Committee of the 9th International Workshop on Advanced Infrared Technology and Applications, Leon, Mexico (2007)
- Member of the Comitato Scientifico of the XIX Congresso Nazionale dell'Associazione Italiana di

- Aeronautica e di Astronautica, Forlì (2007)
- Member of the International Organizing Committee of the 18th International Symposium on Transport Phenomena (ISTP-18), Daejeon, Korea (2007)
 - Member of the Honorary Board of the 13th International Symposium on Flow Visualization, Nice, France (2008)
 - Member of the QIRT Steering Committee and of the International Scientific Committee della 8th International Conference on "Quantitative Infrared Thermography" (QIRT 08), Krakow, Poland (2008)
 - Member of the International Scientific Committee of the X International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2009), Moscow (2009)
 - Member of the International Advisory Committee of the 7th Pacific Symposium on "Flow Visualization and Image Processing", (PSFVIP-7), [Kaohsiung, Taiwan](#) (2009)
 - Member of the International Technical Committee of the 10th International Workshop on Advanced Infrared Technology and Applications, Firenze (2009)
 - Member of the Honorary Board of the X International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2009), Moscow (2009)
 - Member of the International Organizing Committee of the 20th International Symposium on Transport Phenomena (ISTP-20), Victoria, Canada (2009)
 - Member of the Organizing Committee of the 27^o Congress dell'International Council for Aeronautical Sciences, Nice, France (2010)
 - Member of the Honorary Board of the 14th International Symposium on Flow Visualization, Korea (2010)
 - Member of the Technical Program Committee of the International Symposium on Transport Phenomena and Dynamics of Rotating Machinery ISROMAC-13, Honolulu, Hawaii, April 4-9, 2010
 - Member of the International Scientific Committee of the 21st International Symposium on Transport Phenomena (ISTP-21), [Kaohsiung, Taiwan](#) (2010)
 - Member of the QIRT Steering Committee and of the International Scientific Committee della 8th International Conference on "Quantitative Infrared Thermography" (QIRT 10), Quebec City, Quebec (2010)
 - Member of the International Scientific Committee of the XI International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2011), Keelung, Taiwan (2011)
 - Member of the International Technical Committee del 11th International Workshop on "Advanced Infrared Technology and Applications" (AITA 11), L'Aquila, Italy (2011)
 - Member of the International Scientific Committee of the 22nd International Symposium on Transport Phenomena (ISTP-22), Delft, The Netherlands (2011)
 - Member of the International Steering Committee of the 8th Pacific Symposium on "Flow Visualization and Image Processing", (PSFVIP-8), Moscow (2011)
 - Member of the Honorary Board of the XI International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2011), Keelung, Taiwan (2011)
 - Member of the International Scientific Committee of the 23rd International Symposium on Transport Phenomena (ISTP-23), Auckland, New Zealand (2012)
 - Member of the QIRT Organizing Committee of the Seminar on Quantitative Infrared Thermography (QIRT 12), Napoli, Italy (2012)
 - Member of the Honorary Board of the 15th International Symposium on Flow Visualization, Minsk (2012)
 - Member of the Honorary Board of the 9th Pacific Symposium on "Flow Visualization and Image Processing" (PSFVIP-9), Busan, Korea (2013)
 - Member of the International Technical Committee del 12th International Workshop on "Advanced Infrared Technology and Applications" (AITA 13), Torino, Italy (2013)
 - Member of the Honorary Board of the XII International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2013), Nara, Japan, Nov 2013
 - Member of the International Scientific Committee of the 24th International Symposium on Transport Phenomena (ISTP-24), Tokyo University of Science-Yamaguchi, Japan (2013)
 - Member of the Scientific Committee of the XXII Conference of the Italian Association of Aeronautics and Astronautics (A.I.D.A.A.), Naples, Italy (2013)
 - Member of the International Scientific Committee of the XII International Symposium on "Fluid

- Control, Measurement and Visualization”, (FLUCOME 2013), Nara. Japan, Nov 2013
- Member of the Honorary Board of the 16th International Symposium on Flow Visualization, Okinawa, Japan, 24–27 June 2014
- Member of the International Advisory Committee of the 4th International Conference on Experimental Fluid Mechanics, Beijing, China, August 12-15 2014
- Member of the International Scientific Committee 12-15 of the 25th International Symposium on Transport Phenomena (ISTP-25), Aonang Villa Resort, Krabi, Thailand | (2014)
- Member of the Honorary Board of the XIII International Symposium on “Fluid Control, Measurement and Visualization”, (FLUCOME 2015), Doha. Qatar, November 15-18 2015
- Member of the International Scientific Committee of the 1st Quantitative Infrared Thermography Asia Conference (QIRT-Asia 2015), Chennai, India, July 6-10 2015
- Member of the International Scientific Committee of the XIII International Symposium on “Fluid Control, Measurement and Visualization”, (FLUCOME 2015), Doha. Qatar, November 15-18 2015
- Member of the Honorary Board of the 10th Pacific Symposium on "Flow Visualization and Image Processing" (PSFVIP-10), Naples, Italy, June 15-18 2015
- Member of the International Scientific Committee of the 27th International Symposium on Transport Phenomena (ISTP-27), Honolulu, Hawaii, USA, September 20-23 2016
- Member of the Honorary Board of the 17th International Symposium on Flow Visualization, Gatlinburg, TN, USA, June 19 - 22 2016
- Member of the Programming Committee of the Fourth International Conference on Artificial Intelligence and Applications (AIAP-2017) Conference, Vienna, Austria, May 27-28, 2017
- Member of the Honorary Committee of the 11th Pacific Symposium on "Flow Visualization and Image Processing" (PSFVIP-11), Kumamoto, Japan, December 1st-3rd, 2017
- Member of the Honorary Board of the XIV International Symposium on “Fluid Control, Measurement and Visualization”, (FLUCOME 2017), Notre Dame, Indiana, USA, October 8-12, 2017.
- Member of the International scientific committee of the 28th International Symposium on Transport Phenomena (ISTP-28), Peradeniya, Sri Lanka, 22-24 September, 2017
- Member of the International Scientific Committee of the 11th Pacific Symposium on "Flow Visualization and Image Processing" (PSFVIP-11), Kumamoto, Japan, December 1st-3rd, 2017
- Member of the Program Committee of the International Conference on Computer-Human Interaction Research and Applications (CHIRA 2017), Funchal, Mafaira, Portugal, October 31-November 2, 2017
- Member of the Advisory Committee of the 5th International Conference on Experimental Fluid Mechanics (ICEFM 2018), Munich, Germany, July 2-4, 2018
- Member of the International scientific committee of the 29th International Symposium on Transport Phenomena, Honolulu, Hawaii, USA | (2018)
- Member of the Honorary Board of the 18th International Symposium on Flow Visualization, Zurich, Switzerland, June 26-29 2018
- Member of the International Scientific Committee of the 29th International Symposium on Transport Phenomena (ISTP-29), Hawaiian Conv. Center, Honolulu, HI, U.S.A., October 30-November 2 2018
- Member of the Program Committee of the 2nd International Conference on Computer-Human Interaction Research and Applications (CHIRA 2018), Seville, Spain, September 2018
- Member of the Honorary and Program Committees of The 15th International Conference on Fluid Control, Measurements and Visualization (FLUCOME 2019), Naples, Italy, May 27-30 2019

PRESIDENZA DI SESSIONI DI CONGRESSI

- Chairman of the session "Fluidodinamica" of the II Congresso Nazionale dell'Associazione Italiana di Meccanica Teorica ed Applicata, Napoli (1974)
- Chairman of the session "Fluidodinamica" of the XXXVII Congresso Nazionale ATI, Padova (1982)
- Chairman of the session "Fluidodinamica" of the IX Congresso Nazionale dell'Associazione Italiana di Aeronautica ed Astronautica, Palermo (1987)
- Chairman of the session "Spacecraft System" of the 16th International Symposium on Space Technology and Science, Sapporo (1988)
- Cochairman of the session "Downward Deployed Tethers" of the 3rd International Conference on Tethers in Space, San Francisco (1989)
- Chairman of the session "Combustion-Engines" of the 5th International Symposium on Flow

- Visualization, Praga (1989)
- Chairman of the session "Fluidodinamica Sperimentale" of the X Congresso Nazionale della Associazione Italiana di Aeronautica e Astronautica, Pisa (1989)
- Chairman of the session "Heat Transfer Enhancement/Heat, Mass, Momentum Transfer" of the 2nd International Symposium on Multiphase Flow and Heat Transfer, Xi'an (1989)
- Chairman of the session "General Problems in Engineering Education" of the SEFI Annual Conference SEFITALIA 89, Napoli (1989)
- Chairman of the II session of the Congresso su "Stato del rilevamento con camere termiche nella banda 8-14 μ m", Firenze (1991)
- Chairman of the session "Heat Transfer" of the 5th International Conference on "Computational Methods and Experimental Measurements", Montreal (1991)
- Chairman of the session "Fluidodinamica sperimentale" of the XI Congresso Nazionale della Associazione Italiana di Aeronautica ed Astronautica, Forlì (1991)
- Chairman of the session "Heat Transfer IV" of the 6th International Symposium on Flow Visualization, Yokohama (1992)
- Chairman of the III session of the 1st International Workshop on "Advanced Infrared Technology and Applications", Firenze (1992)
- Chairman of the session "Techniques (Methods and Procedures)" of the Eurotherm Seminar 27: Quantitative Infrared Thermography, Paris (1992)
- Chairman of the session "Measurements Techniques" of the IV International Conference on Fluid Mechanics, Alexandria (1992)
- Chairman of the session "Supersonic and Hypersonic Flows" of the "18th Congress of the International Council of Aeronautical Sciences", Pechino, China (1992)
- Chairman of the II session of the 2nd International Workshop on "Advanced Infrared Technology and Applications", Capri (1993)
- Cochairman of the session "Combustion I" of the First International Thermal Energy Congress (ITEC-93), Marrakesh, Marocco (1993)
- Chairman of the session "Experimental Techniques" of the 2nd International Symposium of Engineering Turbulence Modelling and Measurements, Firenze (1993)
- Chairman of the session "Fluidodinamica" of the XIII Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Como (1993)
- Cochairman of the session "Pipes, Disks and Drums" of the International Symposium on Transport Phenomena and Dynamics of Rotating Machinery, Kaanapali, Hawaii (1994)
- Chairman of the session 2.7 of the II International Conference on Experimental Fluid Mechanics (I.C.E.F.M. 1994), Torino (1994)
- Chairman of the session "Measurement" of the 4th International Conference on Fluid Control, Fluid Mechanics and Visualization (Flucome '94), Tolouse (1994)
- Chairman of the session "Turbulence Modelling and Nozzle Flows" of the 19th Congress of the International Council of the Aeronautical Sciences (ICAS 94), Anaheim (1994)
- Co-chairman of the session "Sponsored projects" of the Fourth International Conference on Tethers in Space, Washington D.C. (1995)
- Chairman of the session "Heat and Mass Transfer – I " of the 7th International Conference on "Computational Methods and Experimental Measurements" (CMEM 95), Capri (1995)
- Chairman of the session " Short Presentations" of the Euromech n. 335 "Image Techniques and Analysis in Fluid Dynamics", Roma (1995)
- Chairman of the I session of the 3rd International Workshop on "Advanced Infrared Technology and Applications", Capri (1995)
- Chairman of the session "Thermal and Mass Transfer I" of the 7th International Symposium on Flow Visualization, Seattle (1995).
- Chairman of the session "Meccanica dei Fluidi : Moto in condizioni particolari" of the XII Congresso di Meccanica Teorica ed Applicata (AIMETA '95), Napoli (1995).
- Chairman of the session "Fluids" of the International Conference on "Quantitative Infrared Thermography", (QIRT 96), Stuttgart (1996)
- Chairman della Sessione "Visualization in Heat Transfer-I" of the 1st Pacific Symposium on Flow Visualization and Image Processing (PSFVIP-1), Honolulu (1997)
- Chairman of the session "Modelling and Measurements - I" of the 8th International Conference on

- "Computational Methods and Experimental Measurements" (CMEM 97), Ròdos di (1997)
- Chairman of the sessions "Radiation a)" and "Radiation b)" of the 4th World Conference on "Experimental Heat Transfer, Fluidmechanics and Thermodynamics", Brussels (1997)
- Chairman of the session 30 A1 of the 3rd International Thermal Energy Congress, Kitakyushu (1997)
- Chairman of the IV session of the 4th International Workshop on "Advanced Infrared Technology and Applications", Firenze (1997)
- Chairman of the Opening Speech of the XIV Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Napoli (1997)
- Chairman of the session "Fluidodinamica A" of the XIV Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Napoli (1997)
- Chairman of the McCarthy Award Selection Session of the "21st Congress of the International Council of the Aeronautical Sciences", Melbourne (1998)
- Chairman of the session "Laser Velocimetry" of the VSJ-SPIE International Conference on "Optical Technology and Image Processing in Fluid, Thermal and Combustion Flow", Yokohama (1998)
- Chairman of the session "S5.K3" of the European Mechanics Colloquium Euromech. 406 on "Image Processing Methods in Applied Mechanics", Warsaw (1999)
- Chairman of the session "Experimental Versus Analytical or Numerical Results" of the 9th International Conference on "Computational Methods and Experimental Measurements" (CMEM 99), Sorrento (1999).
- Chairman of the session "Material Characterization Through Numerical Models and Experiments" of the 9th International Conference on "Computational Methods and Experimental Measurements" (CMEM 99), Sorrento (1999).
- Chairman of the session "Thermofluidynamics" of the 5th International Workshop on "Advanced Infrared Technology and Applications", Venezia (1999).
- Chairman of the session "Fluidodinamica I" of the XV Congresso Nazionale dell'Associazione Nazionale di Aeronautica e di Astronautica, Torino (1999)
- Chairman of the session "Fluidodinamica IV" of the XV Congresso Nazionale dell'Associazione Nazionale di Aeronautica e di Astronautica, Torino (1999)
- Chairman of the session "Fluid Mechanics" of the Eurotherm Seminar No. 64 on Quantitative Infrared Thermography, Reims (2000).
- Chairman of the McCarthy Award Selection Session of the "22nd Congress of the International Council of the Aeronautical Sciences", Harrogate, UK (2000)
- Chairman of the session "Thermography I" of the Millennium 9th International Symposium on Flow Visualization, Edinburgh, UK (2000)
- Chairman of the session "Flow Visualization 3" of the 6th International Conference on Fluid Control, Fluid Mechanics and Visualization (Flucome 2000) Sheerbrooke, Canada (2000)
- Chairman of the session "Fluidodinamica I" of the XVI Congresso Nazionale dell'Associazione Nazionale di Aeronautica e di Astronautica, Palermo (2001)
- Chairman of the session "Application to Fluid Dynamics" of the 6th International Workshop on "Advanced InfraRed Technology and Applications", Siena, Italy (2001)
- Chairman of the session "Heat Transfer I" of the 10th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2001), Alicante, Spain (2001)
- Chairman of the session "Limitation of Current Propulsion Techniques" of the 8th Int. Workshop on Computation and Propulsion "Rocket Propulsion: Present and Future", Pozzuoli, Italy (2002)
- Chairman of the Keynote Lecture 4 of the Eurotherm No. 71 on Visualization, Imaging and Data Analysis in Convective Heat and Mass Transfer, Reims (2002)
- Chairman of the session "PIV III" al SEIKEN Symposium on "Particle Image Velocimetry", Tokyo, Japan (2002)
- Chairman of the session "Interferometry" of the 10th International Symposium on Flow Visualization, Kyoto, Japan (2002)
- Chairman of the McCarthy Award Selection Session of the "23rd Congress of the International Council of the Aeronautical Sciences", Harrogate, U.K: (2002)
- Chairman of the session "Advanced Sensors" of the 7th International Workshop on "Advanced InfraRed Technology and Applications", Pisa, Italy (2003)
- Chairman of the session "Fluid Dynamics" of the 7th International Workshop on "Advanced InfraRed Technology and Applications", Pisa, Italy (2003)

- Chairman of the session " Fluid Dynamics II" of the 11th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2003), Halkidiki, Grece (2003)
- Chairman of the session "Fluidodinamica I" of the XVII Congresso Nazionale dell'Associazione Italiana di Aeronautica e di Astronautica, Roma (2003)
- Chairman of the session "Thermography I" of the 11th International Symposium on Flow Visualization, Notre Dame, USA (2004)
- Chairman of the McCarthy Award Selection Session of the "24th Congress of the International Council of the Aeronautical Sciences", Yokohama, Japan (2004)
- Chairman of the session "Application to Fluid Dynamics" of the 8th International Workshop on "Advanced InfraRed Technology and Applications", Siena, Italy (2005)
- Chairman of the session "Heat Transfer" della 12th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2005), Malta (2005)
- Chairman of the McCarthy Award Selection Session of the "25th Congress of the International Council of the Aeronautical Sciences", Hamburg, Germany (2006)
- Chairman of the session "Fluid Dynamics" alla 8th International Conference on "Quantitative Infrared Thermography" (QIRT 06), Dubrovnik, Croatia (2006)
- Chairman of the session Leonardo da Vinci Memorial Lecture of the 12th International Symposium on Flow Visualization, Goettingen, Germany (2006)
- Chairman of the session "Fluid Dynamics" of the 9th International Workshop on Advanced Infrared Technology and Applications, Leon, Mexico (2007)
- Chairman of the session "Fluid Dynamics I" of the IX International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2007), Tallahassee, USA (2007)
- Chairman of the session "Heat Transfer I" of the 13th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2007), Prague (2007)
- Chairman of the session "Aeronautics and Space I" of the 13th International Symposium on Flow Visualization, Nice, France (2008)
- Chairman of the McCarthy Award Selection Session of the "26th Congress of the International Council of the Aeronautical Sciences", Anchorage, Alaska, (2008)
- Chairman of the session "Fluid Dynamics I" of the 9th International Conference on "Quantitative Infrared Thermography" (QIRT 08), Krakow, Poland (2008)
- Chairman of the session "Computational and Experimental Methods (II)" of the 14th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2009), Algarve, Portugal (2009)
- Chairman of the session "Experimental and Computational Analysis" of the 14th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2009), Algarve, Portugal (2009)
- Chairman of the session "Fluid dynamics" of the 10th International Workshop on "Advanced Infrared Technology and Applications" (AITA 09), Firenze, Italy (2009)
- Chairman of the session "Fluid Dynamics & Energetics" of the 10th International Conference on "Quantitative Infrared Thermography" (QIRT 10), Quebec City, Quebec (2010)
- Chairman of the McCarthy Award Selection Session of the "27th Congress of the International Council of the Aeronautical Sciences", Nice, France, (2010)
- Chairman of the session "Experimental Analysis of Vortex Flow II" of the 5th International Conference on Vortex Flows and Vortex Models (ICVFM2010), Caserta, Italy (2010)
- Chairman of the session "Computational Methods and Experimental Measurements II" of the 15th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2011), Lindhurst, UK (2011)
- Chairman of the session "Advanced Sensors" of the 11th International Workshop on "Advanced Infrared Technology and Applications" (AITA 11), L'Aquila, Italy (2011)
- Chairman of the session "Experimental Setup in Aerodynamics" of the 3rd International Conference of the European Aerospace Societies (CEAS)/XXI Italian Association of Aeronautics and Astronautic Congress (AIDAA), Venice, (2011)
- Chairman of the Invited lecture of prof. Gad Hetsroni of the Quantitative Infrared Thermography (QIRT 12) Conference, Napoli, Italy (2012)
- Chairman of the First session del XX Convegno Nazionale A.I.V.E.LA., December 19-20 (2012) INSEAN, Rome, Italy

- Chairman of the session "Fluid flow" of the 16th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2013), A Coruña, Spain (2013)
- Chairman of the session "Heat and mass transfer II" of the 10th Pacific Symposium on "Flow Visualization and Image Processing" (PSFVIP-10), Naples, Italy (2015)
- Chairman of the session "Reactive flows/Combustion I" of the 10th Pacific Symposium on "Flow Visualization and Image Processing" (PSFVIP-10), Naples, Italy (2015)
- Chairman of the session "Advances in computational methods" of the 17th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2015), Opatija, Croatia (2015)
- Chairman of the session "Computer modelling III" of the 17th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2015), Opatija, Croatia (2015)
- Chairman of the session "Experimental measurements and numerical modelling" of the 18th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2017), Alicante, Spain (2017)

MEMORIE A INVITO E SEMINARI

- Invited Seminar at the Aerospace and Mechanical Engineering Department of the Princeton University, USA (1981)
- Invited Seminar at the Institut für Strömungslehre della Universität Gesamthochschule Essen, Essen, Germania (1985)
- Invited Lecture at the 4^o Congresso Nazionale of the Unione Italiana di Termofluidodinamica, Genova (1986)
- Invited Seminar at the Luikov Heat and Mass Transfer Institute, of the BSSR Academy of Sciences, Minsk (1988)
- Invited Seminar at the Instytut Techniki Lotniczej I Mechaniki Stosowanej of Politecnico di Varsavia, Varsavia (1990)
- Keynote Paper at the 6th International Symposium on Flow Visualization, Yokohama (1992)
- Invited Lecture at the Advanced Research Workshop "New Trends in Instrumentation for Hypersonic Research" organized by ONERA, DLR, NASA e VKI, Le Fauga-Mauzac, Francia (1992)
- Keynote Lecture at the International Seminar "Imaging in Transport Processes" organized by the International Centre for Heat and Mass Transfer, Athens (1992)
- Invited Seminar on Infrared Thermography for Fluid Dynamic Applications delivered at the Chinese Academy of Sciences, Beijing (1992)
- Invited Seminar at the "I seminari di Energetica" organized by the Dipartimento di Energetica of Politecnico di Milano (november 1992)
- Keynote Presentation at the Euromech Colloquium n.309 "Optical Flow Diagnostics", Göttingen (1993)
- Invited Paper at the Second International Conference on "Experimental Fluid Mechanics" (I.C.E.F.M. 1994), Torino (1994)
- Invited Seminar at the "I Seminari di Ingegneria Chimica" organized by the Istituto di Ricerca sulla Combustione del CNR, Dipartimento di Ingegneria Chimica e Dottorato di Ricerca in Ingegneria Chimica of the Università degli Studi di Napoli Federico II (1995)
- Invited Lecture at the Euromech n. 335 "Image Techniques and Analysis in Fluid Dynamics", Roma (1995)
- Invited Lecture at the 3rd International Workshop on "Advanced Infrared Technology and Applications", Capri (1995)
- Keynote Paper at the 2nd European Thermal-Sciences Conference, Roma (1996)
- Keynote Address at the Seminar on "Optical Methods and Data Processing in Heat and Fluid Flow", London (1996)
- Invited Lecture at the "III National Conference on IR Thermography and Thermometry (TTP'96), Warsaw (1996)
- Keynote Lecture at the 4th World Conference on Experimental Heat Transfer, Fluidmechanics and Thermodynamics, Brussels (1997)
- Keynote Lecture at the First Pacific Symposium on Flow Visualization and Image Processing (PSFVIP-1), Honolulu (1997)
- Keynote Lecture at the 8th International Conference on "Computational Methods and Experimental

- Measurements", Rodi (1997)
- Invited Lecture at the 3rd Thermal Energy Congress, ITEC 97, Kitakyushu (1997)
- Invited Seminar at the Tokyo University of Agriculture and Technology, Japan (1997)
- Invited Seminar at the Institute of Industrial Science of Tokyo University, Japan (1997)
- Invited Seminar at the Sagami Factory della Asahi Glass Co. Ltd., Japan (1997)
- Invited Seminar at the Glasstech Inc., Perrysburg (OH), USA (1997)
- Invited Lecture at the 4th International Workshop on "Advanced Infrared Technology and Applications", Firenze (1997)
- Keynote Lecture at the International Conference on "Optical Technology and Image Processing in Fluid, Thermal and Combustion Flow", Yokohama, Japan (1998)
- Invited Seminar at the Sagami Factory of Asahi Glass Co. Ltd., Japan (1998)
- Invited Lecture at the Euromech Colloquium n. 406 on "Image Processing Methods in Applied Mechanics", Warsaw (1999).
- Invited Seminar at the Tokai University, Hiratsuka, Kanagawa, Japan (1999)
- Invited Seminar at the Railway Technical Research Institute, Kokobunji, Japan (1999)
- Invited Seminar at the Saitama University, Urawa, Japan (1999)
- Invited Seminar at the Fukui University, Fukui, Japan (1999)
- Invited Seminar at the Mitsubishi Heavy Industries Ltd., Takasago, Japan (1999)
- Invited Seminar at the Kyushu University, Fukuoka, Japan (1999)
- Invited Seminar at the National Aerospace Laboratories, Chofu, Japan (1999)
- Invited Seminar at the Utsunomiya University, Utsunomiya, Japan (1999)
- Invited Seminar at the Keio University, Hiyoshi, Japan (1999)
- Invited Seminar at the Tokyo University of Agriculture and Technology, Koganei, Japan (1999)
- Invited Seminar at the Tokyo Denki University, Chiyo-ku, Japan (1999)
- Invited Seminar at the Tottori University, Tottori, Japan (1999)
- Invited Lecture at the 5th International Workshop on "Advanced Infrared Technology and Applications", Venezia (1999)
- Opening Lecture at the 9th International Conference on "Computational Methods and Experimental Measurements", (CMEM 1999), Sorrento
- Leonardo da Vinci Memorial Lecture at the Millennium 9th International Symposium on Flow Visualization, Edinburgh, UK (2000)
- Opening Lecture at the 10th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2001), Alicante, Spain
- Invited Lecture at the XXIII Thermosense, Orlando, USA (2001)
- Invited Lecture at the 6th International Workshop on "Advanced Infrared Technology and Applications", Siena (2001)
- Keynote Lecture at the Int. Symp. On Visualization and Imaging in Transport Phenomena, Antalya, Turkey (2001)
- Invited Lecture at the 6th Asian Symposium on Visualization (ASV6), Pusan, Korea (2001)
- Invited Lecture at the International Symposium on "Visualization and Imaging in Transport Phenomena", (VIM 2001), Antalya, Turkey (2001)
- Invited Lecture at the SEIKEN Symposium on Particle Image Velocimetry, Tokyo, Japan (2002)
- Invited Lecture at the Eurotherm Seminar n. 71 on "Visualization, Imaging and Data Analysis in Convective Heat and Mass Transfer", Reims, France (2002)
- Invited Lecture at the Polish National Conference on "Thermography and Thermometry" as Honor Guest, Ustron, Poland (2002)
- Invited Seminar at the Tokai University, Hiratsuka, Japan (2002)
- Invited Lecture at the Japan Korea Computer Graphics Conference (JKCGC 2002), Kanazawa, Japan (2002)
- Opening Lecture at the 11th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2003), Halkidiki, Greece
- Invited Lecture at the 7th International Workshop on "Advanced Infrared Technology and Applications", Pisa (2003)
- Invited Lecture at the IV International Symposium on Polimer Surface Modification, Orlando, USA (2003)
- Invited Lecture at the International Symposium on Colour and Design in the Natural and Engineering

- Worlds, Linnean Society, London (2003)
- Invited Lecture at the 11th Int. Symp. on Flow Visualization, Notre Dame IN, USA (2004)
- Invited Seminar at the Tokyo Denki University, Chiyo-ku, Japan (2004)
- Opening Lecture at the 12th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2005), Malta
- Invited Lecture at the 8th International Workshop on "Advanced Infrared Technology and Applications", Roma (2005)
- Invited Lecture at the II Giornata di Studio su Tecniche Ottiche e Termografiche in Termofluidodinamica, L'Aquila (2005)
- Opening Lecture at the 13th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2007), Prague, Czeck Republik (2007)
- Invited Lecture at the 9th International Workshop on "Advanced Infrared Technology and Applications", Leon, Mexico (2007)
- Invited Workshop at the University of Sharjah on "IR Thermography Principles and Applications", Sharjah, UAE (2008)
- Invited Lecture at the 10th International Workshop on "Advanced Infrared Technology and Applications", Firenze (2009)
- Opening Lecture at the 14th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2009), Carvoeiro, Portugal (2009)
- Invited Lecture at the Fachgebiet Stromungslehre und Aerodynamik, University of Darmstadt, Germany (2011)
- Invited Lecture at the Institut fur Thermodynamik der Luft- und Raumfahrt, University of Stuttgart, Germany (2011)
- Opening Lecture at the 15th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2011), Lindhurst, UK (2011)
- Invited Lecture at the 11th International Workshop on "Advanced Infrared Technology and Applications", L'Aquila (2011)
- Invited Lecture at the Academic Session in Memory of Theodore von Kármán held on the 50th Anniversary of his Death 1963-2013, Palais des Académies, Brussels, Belgium, Tuesday, 7th May 2013
- Opening Lecture at the 16th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2013), A Coruña, Spain (2013)
- Keynote Lecture at the XXII Conference of the Italian Association of Aeronautics and Astronautics (A.I.D.A.A.), Naples, Italy (2013)
- Invited Lecture at the Int. Sci. Conf. Infrared Thermography and Termometry, Metrological Assurance of Measurement and Testing, as Honor Guest, Lviv, Ukraine (2013)
- Invited Lecture at the XII International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2013), Nara, Japan (2013)
- Ciclo di seminari su "Modern research methods in convective heat transfer" presso la Ural Federal University Boris Yeltsin, Ekaterinburg, Russia, September 23/25, 2014.
- Opening Lecture at the 17th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2015), Opatija, Croatia (2015)
- Keynote Lecture at the Quantitative Infrared Thermography (QIRT 16) Congress, Dansk, Poland (2016)
- Invited Lecture at the course of Energetica, Università degli Studi di Salerno, Salerno (2017)

SOGGIORNI ALL'ESTERO

- Research Assistant at the Aerospace and Mechanical Sciences Department of Princeton University from 01.09.1967 to 31.10.1968
- Visiting professor at the Instytut Techniki Lotniczej I Mechaniki Stosowanej of Warszawa Politechnic (december 1987)
- Visiting professor at the Luikov Heat and Mass Transfer Institute, of the BSSR Academy of Sciences, Minsk,(september 1988)
- Visiting professor at the Instytut Techniki Lotniczej I Mechaniki Stosowanej of the Warszawa Politechnic (february 1990)

- Visiting professor at the Luikov Heat Mass Transfer Institute, Minsk, of the BSSR Academy of Sciences and Institute of Polymer Mechanics, Riga, of the Latvian SSR Academy of Sciences (april 1990)
- Fellow of the Japan Society for the Promotion of Science as a Visiting Professor at the Institute of Industrial Science of University of Tokyo (july – september 1999)

PUBBLICAZIONI

Autore di circa 450 pubblicazioni riguardanti principalmente: Aerodinamica ipersonica, Gasdinamica, Emodinamica, Trasmissione del calore, Fluidodinamica dei mezzi non-newtoniani, Fluidica, Tecniche di misura in termofluidodinamica, Applicazioni dei satelliti tethered, Termografia quantitativa all'infrarosso, Controlli non distruttivi.

BREVETTI

Autore, o coautore, di tredici brevetti di invenzione industriale riguardanti: Soffiaggio di ossigeno con modalità stazionarie ed instazionarie nei convertitori LD, Tubiere vento di altoforno, Recupero di energia e agglomerazione di fuliggine nei motori diesel, Interferometria a raggio di riferimento, Sostentamento di lastre di vetro ad alta temperatura con cuscinio d'aria, Aspirazione di fluidi, Scaletta a tarozzi, Deviatori di fibre ad effetto Coanda, Forni per la produzione di vetrate temperate per autovetture, Soffianti per la tempera di vetri per autovetture, Apparato per la laminazione di celle solari.

1. [PILOT BOAT WITH PROTRUDING PLATFORMS FOR AN EASIER BOARDING OF A SHIP](#)

Inventor: FRANCESCO AIELLO [IT] GIOVANNI MARIACARLOMAGNO [IT] (+2)	Applicant: FRANCESCO AIELLO [IT]	CPC: B63B21/00 B63B27/00 B63B35/00 (+1)	IPC: B63B21/00 B63B27/00 B63B35/00 (+1)	Publication info: PT3030482 (T) 2017-12-29
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2. [TEMPERING BENT GLASS SHEETS](#)

Inventor: CARLOMAGNOGIOVANNI MARIA [IT]	Applicant: PILKINGTON GROUP LTD [GB]	CPC: C03B27/0404 C03B27/0408 C03B27/0445 (+1)	IPC: C03B27/044 C03B27/048	Publication info: HUE026923 (T2) 2016-07-28
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3. [MULTI-STAGE LAMINATING APPARATUS USING LAMINATING PALLETS AND CORRESPONDING METHOD](#)

Inventor: CARLOMAGNOGIOVANNI MARIA [IT] DE LEONIBUS VITTORE [IT] (+1)	Applicant: TEKNISOLAR LTD [GB] CARLOMAGNOGIOVANNI MARIA [IT] (+2)	CPC: B30B5/02 B30B7/02 B32B2038/1891 (+7)	IPC: B30B5/02 B30B7/02 B32B37/06 (+2)	Publication info: WO2011076451 (A1) 2011-06-30
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4. [Method and device for blowing oxygen in metal refining converters in unstationary manner](#)

Inventor: CARLOMAGNOGIOVANNI MARIA COSTA BRUNO	Applicant: ITALSIDER SPA	CPC: C21C5/32	IPC: C21C5/32 (IPC1-7): C21C5/30	Publication info: US4043799 (A) 1977-08-23
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5. [Nozzles of the lance heads for blowing oxygen from above in the refining processes](#)

Inventor: CARLOMAGNOGIOVANNI MARIA CECERE ANTONIO (+3)	Applicant: ITALSIDER SPA	CPC: C21C5/32	IPC: C21C5/32 C21C5/46 (IPC1-7): C21C7/00	Publication info: US3957258 (A) 1976-05-18
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6. [RUNG FOR PILOT LADDER](#)

Inventor: AIELLO FRANCESCO [IT] CARLOMAGNOGIOVANNI MARIA [IT]	Applicant: AIELLO FRANCESCO [IT] CARLOMAGNOGIOVANNI MARIA [IT]	CPC: B63B27/14	IPC: B63B27/14	Publication info: ITNA990006 (U1) 1999-04-28 IT247978 (Y1) 2002-12-09
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7. [SCALETTA A TAROZZI MODIFICATA.](#)

Inventor: AIELLO FRANCESCO, CARLOMAGNOGIOVANNI MARIA	Applicant: AIELLO FRANCESCO [IT] CARLOMAGNOGIOVANNI MARIA [IT]	CPC:	IPC: B63B	Publication info: ITNA960020 (U1) 1996-06-19 IT241691 (Y1)
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8. [SOFFIANTI PER LA TEMPERA DI LASTRE DI VETRO REALIZZATE MEDIANTE PIU' SETTORI TRA LORO DISACCO](#)

Inventor: CARLOMAGNOGIOVANNI MARIA [IT]	Applicant: CARLOMAGNOGIOVANNI MARIA [IT]	CPC:	IPC:	Publication info: ITNA930008 (A1) 1994-10-03
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9. [DISPOSITIVO PER LA DEVIAZIONE DI UN GETTO FLUIDO USCENTE DA UN UGELLO.](#)

Inventor: BONETTI PAOLO CARLOMAGNOGIOVANNI MARIA (+2)	Applicant: S I M A SOC IND MECCANICHE AFF [IT]	CPC:	IPC: D04H	Publication info: ITGE980085 (A1) 2000-04-21 IT1304383 (B1) 2001-03-15
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10. [Device for aspiration of fluids by using other fluids](#)

Inventor: CARLOMAGNOGIOVANNI MARIA	Applicant: CARLOMAGNOGIOVANNI MARIA	CPC:	IPC: F04B (IPC1-7): F04B	Publication info: IT9040435 (A1) 1992-02-07 IT1242270 (B) 1994-03-03
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11. [INTERFEROMETRO OTTICO A FASCI SEPARATI REALIZZATO CON UN SEPARATORE BIRIFRANGENTE](#)

Inventor: CARLOMAGNOGIOVANNI MARIA	Applicant: CARLOMAGNOGIOVANNI MARIA	CPC:	IPC: G02B (IPC1-7): G02B	Publication info: IT1191465 (B) 1988-03-23
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12. [Process and device for applying forces to glass sheets, in particular at a high temperature.](#)

Inventor: MARIA CARLOMAGNOGIOVANNI	Applicant: CARLOMAGNOGIOVANNI MARIA	CPC: B65G2249/045 B65G47/911 C03B2225/02 (+4)	IPC: B65G47/91 C03B23/035 C03B27/044 (+3)	Publication info: IT1214033 (B) 1990-01-05
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13. [TUBIERA VENTO PER ALTOFORNO CON RAFFREDDAMENTO E LAMINA DI COMBUSTIBILE](#)

Inventor: FERRARESI MARIO [IT] SACERDOTE ROBERTO [IT] (+1)	Applicant: ITALSIDER SPA [IT]	CPC:	IPC: F23L (IPC1-7): F23L	Publication info: IT1081037 (B) 1985-05-16
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14. [Fluidised bed filtering and/or heat exchange apparatus particularly for gaseous discharges from internal combustors and industrial plants.](#)

Inventor: CAMPANILE ARMANDO [IT] CARLOMAGNOGIOVANNI MARIA [IT] (+4)	Applicant: FIAT RICERCHE [IT] UNIV NAPOLI [IT]	CPC: B01D46/38 B01D53/12 B01J8/24 (+1)	IPC: B01D46/38 B01D53/12 B01J8/24 (+4)	Publication info: EP0047721 (A2) 1982-03-17 EP0047721 (A3) 1982-05-19
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15. [Discontinuously blowing oxygen in LD converters - to improve the interaction between the molten metal and the](#)

Inventor:	Applicant:	CPC:	IPC:	Publication info:
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CARLOMAGNOGIOVANNI MARIA
[IT]
COSTA BRUNO [IT]

ITALSIDER SPA

[C21C5/32](#)
[C21C5/4606](#)

[C21C5/30](#)
[C21C5/32](#)
[C21C5/46](#)
(+1)

info:
DE2342003 (A1)
1974-04-18
DE2342003 (C2)
1984-07-19

**16. VERFAHREN UND VORRICHTUNG ZUR ANWENDUNG VON KRAEFTEN AUF GLASSCHEIBEN, INSBESON-
HOHER TEMPERATUR.**

Inventor:
CARLOMAGNOGIOVANNI MARIA

Applicant:
SIV SOC ITALIANA
VETRO [IT]

CPC:

IPC:
[B65G47/91](#)
[B65G49/06](#)
[C03B23/035](#)
(+9)

**Publication
info:**
AT88683 (T)
1993-05-15

COLLABORAZIONI SCIENTIFICHE

- Ha collaborato con docenti dell'Istituto di Fisiologia della II Facoltà di Medicina dell'Università di Napoli sullo studio sperimentale dell'emodinamica capillare
- Ha collaborato con docenti dell'Istituto di Fisica Tecnica della Facoltà di Ingegneria dell'Università di Napoli sulle applicazioni di pannelli solari e sullo studio fluidodinamico ed acustico di getti supersonici
- Ha collaborato con docenti e/o ricercatori dell'Istituto di Chimica Industriale ed Impianti Chimici dell'Università di Napoli, dell'Istituto Ricerche della Combustione del CNR di Napoli, dell'Istituto Motori del CNR di Napoli e del Centro Ricerche Fiat sullo studio termofluidodinamico di letti fluidi posti allo scarico di motori diesel
- Ha collaborato con docenti del Dipartimento di Meccanica ed Aeronautica dell'Università di Roma, La Sapienza, sullo studio di flussi a convezione naturale e su tecniche di visualizzazione del moto di fluidi
- Ha collaborato con ricercatori della Aerothermodynamics Branch, Space System Division of the Space Directorate e della General Research Instrumentation Branch, Instrument Research Division of the Electronics Directorate del NASA Langley Research Center. In particolare, in qualità di Principal Investigator, ha presentato con essi una proposta di ricerca per il programma spaziale Tethered Satellite System
- Ha collaborato con la British Aerospace, l'Aeritalia ed altre Società aerospaziali ed Università europee nell'ambito del Programma Brite/Euram nella ricerca CAPRI (Civil Aircraft Protection Against Ice)
- Ha collaborato con docenti e ricercatori del Centre d'Etudes Aerodynamiques et Thermiques di Poitiers e del Von Karman Institute for Fluid Dynamics di Rhode-Saint-Genese nell'ambito del Programma Aerospaziale Hermes su problemi di rientro
- Ha collaborato con docenti e ricercatori dell'Institute of Industrial Science della University of Tokyo nell'ambito di ricerche in termofluidodinamica

CONSULENZE INDUSTRIALI E CONVENZIONI DI RICERCA

- Aeritalia S.a.i.p.A., Stabilimento di Pomigliano (NA), Italy
- Alenia S.p.A., Pomigliano d'Arco (NA), Italy
- Alenia Aeronautica S.p.A., Pomigliano d'Arco (NA), Italy
- Alfa Romeo Avio S.p.A, Pomigliano d'Arco (NA), Italy
- Asahi Glass Co. Ltd (Japan)
- British Steel, Port Talbot (Great Britain)
- Centro Italiano Ricerche Aerospaziali (CIRA), Capua (CE)
- Centro Sperimentale Metallurgico, Castel Romano (Roma)
- Centro Sviluppo Materiali S.p.A., Castel Romano (Roma)
- C.M.I. s.r.l., San Salvo (CH)
- Comunità Economica Europea, Bruxelles
- Co.Ge.Fer. s.r.l, San Salvo (CH)
- Consorzio TELAER, Roma
- CTM s.r.l., San Salvatore Telesino (BN)

- El.en. Group S.p.A., Calenzano (FI)
- Europea Microfusioni Aerospaziali, Morra de Sanctis (AV)
- Freudenberg Politec, Pisticci Scalo, Novedrate (MT)
- Glasstech Inc., Perrysburg, Ohio (USA)
- Infobyte S.p.A., Roma.
- Istituto per l'Assistenza e lo Sviluppo del Mezzogiorno (IASM), Roma
- Istituto per la Promozione Industriale (IPI), Roma
- Italcot s.r.l., Pignataro Maggiore (CE)
- Italeco S.p.A., Roma
- Italsider S.p.A: Sede Genova, Stabilimento di Savona, CSI Taranto, CSI Bagnoli
- La Forgia s.r.l., San Salvo (CH)
- MAE s.r.l., Fiorenzuola d'Arda (PC)
- Marcel Dassault - Breguet Aviation, Saint-Cloud (France)
- McGraw Chrysler, Detroit Mi (USA)
- Moroder, Chiasso (Switzerland)
- Nuova Italsider S.p.A.: CSI Taranto
- Officine Galileo S.p.A., Firenze
- O.M.A. s.r.l., Castiglione a Casauria (PE)
- Pilkington Automotive, Lancashire, England
- Pilkington Italy, San Salvo (CH)
- Pittsburgh Glass Works Inc, Pittsburgh (USA)
- Proel S.p.A., Firenze
- Selas S.A., Paris (France)
- Sivesa, Sagunto (Spain)
- Snia Viscosa S.p.A, Stabilimento di Napoli
- Società Italiana Vetro: Stabilimento di San Salvo, Ilved, Italsil, Vetroeuropa, Flovetro, SIV Espana
- Techint S.p.A, Milano
- Teknissolar ltd, Daresbury, Cheshire (UK)
- Valfivve S.p.A., Firenze
- Voest-Alpine Stahl, Linz (Austria)

MEMBRO DEL COMITATO SCIENTIFICO DI RIVISTE

- Member of the Editorial Advisory Board of "Experiments in Fluids", Springer International;
- Membro of the Editorial Advisory Board of "Journal of Visualization", Springer International;
- Associate Editor of "Aerotecnica, Missili e Spazio", Edizioni Scientifiche Associate
- Member of the Editorial Board of "Stability and Analysis of Continuous Media", Pitagora Ed.
- Member of the Editorial Board of "Journal of Flow Visualization and Image Processing", Hemisphere Publ. Co.
- Member of the Advisory Board di "Meccanica, Journal of the Italian Association of Theoretical and Applied Mechanics" from 1985 to 1994, Pitagora Ed.
- Member of the Advisory Editorial Board of "Journal of Engineering Physics and Thermodynamics", Plenum Publ. Co.
- European Editor of the "International Journal of Rotating Machinery", Gordon and Breach Sci. Publ.
- Managing Editor of the "Atlas of Visualization", CRC Press
- Member of the International Editorial Board dell'"Electronic Journal "Optical Diagnostics in Engineering".
- Regional Editor for Europe of the "Journal of Visualization", Ohmsha Ltd. (-2009)
- Member of the Advisory Editorial Board of "Optics and Laser Technology", Elsevier.
- Editor of the "Quantitative Infrared Thermography (QIRT) Journal", Lavoisier, from 2004.
- Member of the Editorial Board of the "Open Mechanical Engineering Journal"
- Member of the Editorial Board of "Recent Patents on Mechanical Engineering Journal"
- Editor of the "Quantitative Infrared Thermography (QIRT) Journal", Taylor & Francis, from 2012
- Editor in chief of the International Journal of Computational Methods and Experimental Measurements, WIT Press, Southampton
- Editorial Board Member for the open access Journal of Flow Control, Measurement and Visualization from 2012

- Editor emeritus of the “Quantitative Infrared Thermography (QIRT) Journal”, Taylor & Francis, from 2014.
- Member of the Editorial Advisory Board of The Open Physics Journal from 2014
- Member of the Editorial Board of The Scientific Pages of Aerospace Engineering and Mechanics from 2016

LIBRI

Author

- Handbook of Flow Visualization, Yang W.J. ed., Ch. 16: Digital Processing of Interferograms (with A. Rapillo), 235-260, Hemisphere, ISBN: 0-89116-669-6 (1989)
- Handbook of Flow Visualization, Yang W.J. ed., Ch. 32: Infrared Thermography in Heat Transfer (with L. de Luca), 531-553, Hemisphere, ISBN: 0-89116-669-6 (1989)
- Fluidodinamica, 1-371, Liguori, Napoli, ISBN 88 207 3279 3 (2001)
- Handbook of Flow Visualization, Yang W.J. ed., Ch. 16: Digital Processing of Interferograms (with A. Rapillo), 241-266, ITaylor & Francis, SBN: 1-56032-417-1, New York (2001)
- Handbook of Flow Visualization, Yang W.J. ed., Ch. 34: Infrared Thermography in Heat Transfer (with L. de Luca), 547-575, Taylor & Francis, ISBN: 1-56032-417-1, New York (2001)
- Nondestructive Testing Handbook, Vol. 3: Infrared and Thermal Testing, Maldague X. Tech. Ed., Ch. 15, Part 5 (with T. Astarita and G. Cardone), 519-525, American Society for Nondestructive Testing, ISBN: 1-57117-044-8 (2001)
- Fluidodinamica, 1-371, Liguori, Napoli, ISBN 88 207 3279 3 (2004)
- Encyclopedia of Chemical Processing (ECHP): Cross-Linked Polyethylene (Invited entry, with C. Meola and G. Giorleo), 577-588, Dekker, ISBN: 0-8247-5563-4 (2005)
- Elementi di Gasdinamica, 1-475, Liguori, Napoli, ISBN-13 978-88-207-4663-6 (2009)
- Recent Advances in Non Destructive Inspection, C. Meola ed., Infrared Thermography in Non-Destructive Inspection: Theory and Practice (with C. Meola), Nova Science Publisher Inc. ISBN 978-1-61668-550-8 (2010)
- Infrared Thermography: Recent Advances and Future Trends, Meola C. ed., An Overview on IR Thermography for Thermo-Fluid-Dynamics, Chap 6, 134-164, Bentham Science Publishers eISBN 978-1-60805-143-4 (2012)
- Infrared Thermography for Thermo-Fluid-Dynamics (with T. Astarita), Springer-Verlag, Berlin, ISBN 978-3-642-29507-2 (2013)
- Non-destructive evaluation (NDE) of polymer matrix composites (with C. Meola), Karbhari V. M. ed., Non-destructive evaluation (NDE) of aerospace composites: detecting impact damage using infrared (IR) thermography, Chap 14, 367-396 (2013) Woodhead Publishing, Cambridge, UK, ISBN 978 0 85709 344 8

Editor

- Computers and Experiments in Fluid Flow (with C.A. Brebbia), 1-476, Computational Mechanics - Springer Verlag, ISBN 3-540-51110-5 (1989)
- Computers and Experiments in Stress Analysis (with C.A. Brebbia), 1-474, Computational Mechanics - Springer Verlag, ISBN 3-540-51111-3 (1989)
- Computers and Experiments in Mechanics, 1-279, CUEN, Napoli (1989)
- Computational Methods and Experimental Measurements V (with A. Sousa and C.A. Brebbia), 1-718, Computational Mechanics - Elsevier Appl. Sci. (1991)
- Quantitative InfraRed Thermography QIRT-92. Eurotherm No.27 (with D. Balageas and G. Busse), 1-401, I-XVI, Editions Europeennes Thermique & Industrie, Paris (1992)
- Advanced Infrared Technology and Applications (with C. Corsi), 1-448, Fondazione G. Ronchi, LXV, Firenze (1993)
- Heat and Fluid Flow (with C.A. Brebbia), 1-578, Computational Mechanics - Elsevier Appl. Sci., ISBN: 1-85166-964-7 (1993)
- Stress Analysis (with C.A. Brebbia), 1-552, Computational Mechanics - Elsevier Appl. Sci., ISBN 1-851-66-967-1 (1993)
- Quantitative InfraRed Thermography QIRT-94. Eurotherm No.42 (with D. Balageas and G. Busse), 1-320, I-XVI, Editions Europeennes Thermique & Industrie, Paris, ISBN 2-85933-042-9 (1995)
- Computational Methods and Experimental Measurements VII (with C.A. Brebbia), 1-770,

- Computational Mechanics, ISBN 1-85312-313-7 (1995)
- Computational Methods and Experimental Measurements VIII (with P. Anagnostopoulos and C. A. Brebbia), 1-684, Computational Mechanics, ISBN 1-85312-463-X (1997).
- Quantitative InfraRed Thermography QIRT-96. Eurotherm No.50 (with D. Balageas and G. Busse), 1-408, I-XVI, ETS, Pisa ISBN 88-467-0089-9 (1997)
- CD-Rom Proceedings of the "*8th International Symposium on Flow Visualization*" (with I. Grant), Sorrento, ISBN 0 9533991 0 9 (1998).
- Computational Methods and Experimental Measurements IX (with C.A. Brebbia), p 648, WIT Press, ISBN: 978-1-85312-683-3 (1999)
- Quantitative InfraRed Thermography 4 QIRT-98. Eurotherm No.60 (with D. Balageas and G. Busse), 1-350, Lodz, ISBN 83-87202-88-6 (1999)
- Quantitative InfraRed Thermography 4 – Medical InfraRed Thermography – MIRT 98 , (with Balageas D., Busse G. and Wiecek B.), 1-66, Lodz (1999).
- CD-Rom Proceedings of the "*9th International Symposium on Flow Visualization*" (with I. Grant), ISBN 0 9533991 1 7, Edimburgh (2000).
- Computational Methods and Experimental Measurements X (with Y. Villacampa and C.A. Brebbia), p 1040, WIT Press, Southampton, ISBN: 978-1-85312-870-7 (2001)
- Quantitative InfraRed Thermography 5 QIRT-00. Eurotherm No.60 (with D. Balageas J.L. Beaudoin and G. Busse), 1-414, Lodz, ISBN 83-89003-45-7 (2001)
- Advanced Infrared Technology and Applications. Selected Papers from the 6th International Workshop (with Abbozzo Ronchi L., Corsi C. and Rutt H.N.), *Infrared Physics & Tecnology*, **43**, 3-5, 119-316 ISSN 1350-4495 (2002)
- Quantitative Infrared Thermography 6 – QIRT'02 (with Balageas D., Busse G. and Svaic S.), Ktalogizacij u publikacij Nacionalna I sveucilisna Knjiznica, Zagreb ISBN 953-6313-50-2 (2003)
- Computational Methods and Experimental Measurements XI (with C.A. Brebbia and P. Anagnostopoulos), p 773, WIT Press, Southampton, ISBN: 978-1-85312-969-8 (2003)
- CD-Rom Proceedings 7th Int. Symp. Fluid Control, Measurement and Visualization - FLUCOME '03 (with Grant I.), ISBN O 9533991 41, Sorrento (2003)
- Computational Methods and Experimental Measurements XII (with Brebbia C.A.), p 944, WIT Press, Southampton, ISBN: 978-1-84564-020-0 (2005)
- Computational Methods and Experimental Measurements XIII (with Brebbia C.A.), p 928, WIT Press, Southampton, eISBN: 978-1-84564-282-2 (2007)
- Computational Methods and Experimental Measurements XIV (with Brebbia C.A.), p 672, WIT Press, Southampton, eISBN: 978-1-84564-364-5 (2009)
- "Advanced Infrared Technology and Applications" Selected Papers from the 10th International Workshop (with Abbozzo Ronchi L., Corsi C., Grinzato E., Pippi I. and Salvetti O.), *J Modern Optics*, **57**, 18, 1661-1830 (2010)
- Computational Methods and Experimental Measurements XV (with Brebbia C.A.), p 736, WIT Transactions, Southampton, ISBN 978-1-84564-540-3 (2011)
- Computational Methods and Experimental Measurements XVI (with Brebbia C.A. and Hernandez S.), p 478, WIT Transactions, Southampton, ISBN 978-1-84564-732-2 (2013)
- Computational Methods and Experimental Measurements XVII (with Brebbia C.A. and Poljak D.), p 542, WIT Transactions, Southampton, ISBN 978-1-84564-9222-7 (2015)

AWARDS

- ***Eminent Scientist Medal*** of Wessex Institute of Technology, Southampton, UK, June 1999
- ***Fellow of the Japanise Society for the Promotion pf Science***, Tokyo, Japan (1999)
- ***Leonardo da Vinci Award*** in recognition of the Excellent Contributions and Outstanding Achievements in the Field of Flow Visualization, 9th International Symposium on Flow Visualization, Edimburgh, Scotland, August 2000
- ***Journal of Visualization Award*** in recognition of Editorial Contribution to the Journal of Visualization, The Visualization Society of Japan, Kogakuin University, Tokyo, Japan, July 2007
- ***FLUCOME Award*** in recognition of Leadership and Advancement of FLUCOME Symposia, 9th International Symposium on Fluid Control, Measurement and Visualization (FLUCOME 07), Tallahassee, Florida, September 2007
- ***Honorary Fellow dell'International Council of the Aeronautical Sciences (ICAS)***, for having

distinguished himself, by virtue of his exceptional personal contributions and through exceptional service, to the objectives of ICAS. 26th Congress of the International Council of the Aeronautical Sciences (ICAS), Anchorage, Alaska, USA (2008)

- **Honorary Member of AIAN** (Associazione Ingegneri Aeronautici e Aerospaziali Napoletani) (2010)
- **Honorary Member** of the **QIRT** (Quantitative InfraRed Thermography) **Council** (2014)
- **Editor Emeritus** of the **QIRT** (Quantitative InfraRed Thermography) **Journal** (2014)
- **Flucome Honorary Member and Yasuki Nakayama's Medal** in recognition of outstanding service for the International Conference on Fluid Control, Measurement and Visualization (FLUCOME), Notre Dame, IN, USA (2017)

PUBBLICAZIONI E PRESENTAZIONI A CONGRESSI

- 1 - **CARLOMAGNO G.M.:** “Sul numero di Reynolds critico nell’efflusso di soluzioni viscoelastiche attraverso tubi circolari”, *La Ricerca Scientifica*, **36**, 515-519 (1966)
- 2 - **VAS I.E., IACAVAZZI C., CARLOMAGNO G.M. and BOGDONOFF S.M.:** “Effect of Body Inclination on the Merging of a Hypersonic Low Density Flow Over Sharp Two-Dimensional Linear Bodies”, in Trilling & Wachman eds., *Rarefied Gas Dynamics VI*, Vol. **I**, 501-508, Academic Press, New York (1969)
- 3 - **CARLOMAGNO G.M.:** “Heat Transfer to Linear Bodies in Two-Dimensional Hypersonic Low Density Flow”, Proc. XXth Int. Astronautical Congress, 481-488, Mar del Plata, Argentina (1969)
- 4 - **NAPOLITANO L.G. and CARLOMAGNO G.M.:** “Momentum and Energy Transfer in Blood Flows Through Deformable Pipes”, in “Fluid Dynamics of Blood Circulation and Respiratory Flow”, AGARD-CP-65, 17.1-17.9 (1970)
- 5 - **NAPOLITANO L.G., CARLOMAGNO G.M. and BERARDI P.G.:** “Fluidodinamica e trasmissione del calore nella circolazione periferica del sangue”, Atti I Cong. AIMETA, Vol. **III**, P.2, 135-167, Udine (1971)
- 6 - **CARLOMAGNO G.M. and BERARDI P.G.:** “Trasmissione del calore nel moto dissipativo di un fluido di Bingham in condotti circolari”, *La Termotecnica*, **26**, 564-568, ISSN 0040-3725. 2002 (1972)
- 7 - **NAPOLITANO L.G., CARLOMAGNO G.M. and BERARDI P.G.:** “On some heat transfer problems connected with the peripheral blood circulation”, *Meccanica*, **7**, No. 1, 68, ISSN 1572-9648 (1972)
- 8 - **CARLOMAGNO G.M.:** “Soluzione di un problema di trasmissione del calore nelle tubiere vento di altoforno”, *Boll. Tecn. Finsider*, **310**, 1-9 (1972)
- 9 - **NAPOLITANO L.G., CARLOMAGNO G.M., BERARDI P.G. and PAPPALARDO M.:** “Problemi termofluidodinamici nelle tubiere vento d’altoforno”, *La Termotecnica*, **26**, 201-209, ISSN 0040-3725. 2002 (1973)
- 10 - **CARLOMAGNO G.M. and BERARDI P.G.:** “Propagazione di impulsi di pressione in fluidi contenuti in condotti viscoelastici”, Atti II Convegno Mostra di Bioingegneria, Cardiologia, 1-14, Milano (1973)
- 11 - **BERARDI P.G., CARLOMAGNO G.M. and NAPOLITANO L.G.:** “Studio fluidodinamico di ugelli supersonici per il processo LD”, *La Termotecnica*, **27**, 689-698, ISSN 0040-3725. 2002 (1973)
- 12 - **NAPOLITANO L.G., CARLOMAGNO G.M., BERARDI P.G., VIGO P. and FUCCI F.:** “Caratterizzazione di ugelli per il soffiaggio dell’ossigeno nel processo LD”, *Boll. Tecn. Finsider*, **322**, 1-12 (1973)
- 13 - **CARLOMAGNO G.M. and BERARDI P.G.:** “Trasmissione del calore per fluidi non-newtoniani in moto laminare dissipativo attraverso condotti circolari”, *La Termotecnica*, **28**, 118-122, ISSN 0040-3725. 2002 (1974)
- 14 - **CARLOMAGNO G.M. and BERARDI P.G.:** “Evoluzione nel tempo di mappe termiche superficiali in una lastra piana con cavità cilindriche”, *La Termotecnica*, **28**, 478-482, ISSN 0040-3725. 2002 (1974)
- 15 - **BERARDI P.G., CARLOMAGNO G.M. and NAPOLITANO L.G.:** “Realizzazione di una stazione per misure geotermiche nel cratere del vulcano Vesuvio”, Atti XIV Conv. Int. Tecn. Scient. sullo Spazio, 388-401, Roma (1974)
- 16 - **CARLOMAGNO G.M., CECERE A., COSTA B., MUNI N. and SABATO CERARDI C.:** “Recent Experience in the Design of Lances for the Blowing of Oxygen in LD Converters”, Proc. Int. Iron and Steel Congress, Vol. **II**, Pap. no. 3.2.2.4, 1-18, Dusseldorf (1974); also *Boll. Tecn. Finsider*, **330-331**, 1-7 (1974)
- 17 - **CARLOMAGNO G.M.:** “Su un amplificatore a fluido assialsimmetrico tristabile”, *La Termotecnica*, **28**, 270-274, ISSN 0040-3725. 2002 (1974)
- 18 - **CARLOMAGNO G.M. and BERARDI P.G.:** “Heat Transfer to Non-Newtonian Fluids in Dissipative Laminar Two-dimensional Flows”, *La Termotecnica*, **28**, 437-440, ISSN 0040-3725. 2002 (1974)
- 19 - **CARLOMAGNO G.M. and BERARDI P.G.:** “Trasmissione del calore in regime instazionario attraverso lastre piane con cavità interne”, Atti XXIX Cong. Naz. ATI, 87-98, Firenze (1974)
- 20 - **BERARDI P.G. and CARLOMAGNO G.M.:** “Damping and Dispersion of Pressure Pulses in Fluid Filled Viscoelastic Pipes”, Wissensch. Vorth. 3 Jahrest. Deutsch. Gesellsch. Biomediz. Tech., 147-151, Hannover (1974)
- 21 - **BERARDI P.G., CARLOMAGNO G.M. and FALCONI C.:** “Realizzazione di un apparato sperimentale per lo studio dell’emodinamica capillare”, Atti II Cong. Naz. AIMETA, Vol. **IV**, 243-251, Napoli (1974)
- 22 - **CARLOMAGNO G.M.:** “Moto di un film liquido su un cilindro orizzontale posto in aria calma”, Atti II Cong. Naz. AIMETA, Vol. **IV**, 253-262, Napoli (1974)
- 23 - **CARLOMAGNO G.M. and BERARDI P.G.:** “Unsteady Thermotopography of Slabs with Inner Cavities”, Atti II Cong. Naz. AIMETA, Vol. **IV**, 263-272, Napoli (1974)
- 24 - **CARLOMAGNO G.M. and VIGO P.:** “Caratteristiche di impatto di getti supersonici in presenza di onde acustiche riflesse”, *Aerotecnica Missili e Spazio*, **54**, 101-104, ISSN 0365-7442 (1975)
- 25 - **CARLOMAGNO G.M. and VIGO P.:** “Acoustic Feedback Effects on the Decay of Axisymmetric Supersonic Jets”, Atti III Cong. Naz. AIDAA, 1-7, Torino (1975)
- 26 - **CARLOMAGNO G.M., BERARDI P.G. and SCINTI ROGER U.:** “Evoluzione nel tempo di mappe termiche

- superficiali in un mezzo semi-infinito con cavità interne”, Atti XXXI Cong. Naz. ATI, 339-409, Pavia (1976)
- 27 - **CARLOMAGNO G.M and BERARDI P.G.:** “Unsteady Thermotopography in Non-Destructive Testing”, in Warren C. ed., Proc. III Infrared Information Exchange, 33-40, St. Louis (1976)
 - 28 - **BERARDI P.G. and CARLOMAGNO G.M.:** “Pressure Waves Propagation in Compressible Fluids Contained in Viscoelastic Pipes”, Atti III Cong. Naz. AIMETA, Vol. **IV**, 9.1-9.7, Cagliari (1976)
 - 29 - **CARLOMAGNO G.M. and DE PAOLIS A.:** “Caratteristiche di funzionamento di un amplificatore a fluido tristabile assialsimmetrico”, *La Termotecnica*, **31**, 128-134, ISSN 0040-3725. 2002 (1977)
 - 30 - **CARLOMAGNO G.M and GIORDANO O.:** “Recenti esperienze di esercizio nelle tubiere di altiforni ad elevata produttività”, *Boll. Tecn. Finsider*, **362**, 273-277 (1977)
 - 31 - **BERARDI P.G., CARLOMAGNO G.M. and VIGO P.:** “Un metodo integrale per lo studio della trasmissione del calore nel modello Axial-train flow”, *La Termotecnica*, **31**, 31-35, ISSN 0040-3725. 2002 (1977)
 - 32 - **NAPOLITANO L.G., CARLOMAGNO G.M. and VIGO P.:** “New Classes of Similar Solutions for Laminar Free Convection Problems”, *Int. J. Heat Mass Transfer*, **20**, 215-226, ISSN 0017-9310 (1977)
 - 33 - **BERARDI P.G., CARLOMAGNO G.M., COLANTUONI A. and FALCONI C.:** “Microfluorometry in the Hamster Cheek Pouch”, in Denoth F. ed., Proc. First Mediterranean Conference on Medical and Biological Engineering, Vol. **II**, 13.1-13.3 (1977)
 - 34 - **CARLOMAGNO G.M. and VIGO P.:** “Soluzioni simili del problema della convezione libera laminare indotta su una lastra verticale da diffusione di massa e/o energia”, Atti IV Cong. Naz. AIMETA, Vol. **IV**, 61-75, Firenze (1978)
 - 35 - **CARLOMAGNO G.M. and VIGO P.:** “Moto quasi-unidimensionale stazionario compressibile di un gas più che perfetto in un condotto a sezione costante in presenza di attrito e scambio termico alla parete”, Atti IV Cong. Naz. AIMETA, Vol. **IV**, 49-59, Firenze (1978)
 - 36 - **CARLOMAGNO G.M, IANNIELLO C. and VIGO P.:** “Decadimento di getti supersonici in presenza di onde acustiche”, Atti VI Conv. Assoc. Ital. Acustica, Ivrea (1978)
 - 37 - **CARLOMAGNO G.M., IANNIELLO C. and VIGO P.:** “Rumore di getti effluenti da ugelli supersonici”, Atti VII Conv. Assoc. Ital. Acustica, 13-14, Siena (1979)
 - 38 - **CAMPANILE A., CARLOMAGNO G.M., DE VITA A., SCOGNAMIGLIO A., DONSI G. and MASSIMILLA L.:** “Soot Removal and Heat Recovery from Diesel Engine Exhausts by Means of a Fluidized Bed Filter/Agglomerator and Heat Exchanger”, Proc. Int. Symp. on Automotive Technology and Automation, Vol. **1**, 164-194, Turin (1980)
 - 39 - **CARLOMAGNO G.M., IANNIELLO C. and VIGO P.:** “La frequenza dello screech di getti supersonici”, Atti VIII Conv. Assoc. Ital. Acustica, 31-32, Torino (1980)
 - 40 - **CARLOMAGNO G.M., IANNIELLO C. and VIGO P.:** “On Screeching Jets Exhausting from an Axisymmetric Supersonic Nozzle”, Proc. 12th Cong. Int. Council Aeronautical Sciences, 183-188, Munich (1980)
 - 41 - **CARLOMAGNO G.M., IANNIELLO C. and VIGO P.:** “On the Influence of the Nozzle External Configuration on the Radiated Screech and the Decay of Supersonic Jets”, *Archives of Acoustics*, **6**, 2, 123-134 (1981)
 - 42 - **CARLOMAGNO G.M.:** “Steady Constant Area Compressible Flow with Friction and Total Temperature Changes”, Atti VI Cong. Naz. AIDAA, 215-228, Roma (1981)
 - 43 - **CARLOMAGNO G.M., FESTA R. and MASSIMILLA L.:** “Sulla distribuzione dei gas di scarico di un motore diesel in un letto fluido”, Atti VI Cong. Naz. AIMETA, Vol. **IV**, 233-244, Genova (1982)
 - 44 - **CARLOMAGNO G.M.:** “Strato limite su lastra piana con scambio di massa instazionario alla parete”, Atti XXXVII Cong. Naz. ATI, Vol. **1**, 333-342, Padova (1982)
 - 45 - **CARLOMAGNO G.M. and RAPILLO A.:** “Convezione naturale su coni isotermi”, Memoria presentata al XXXVII Cong. Naz. ATI, Padova (1982)
 - 46 - **CARLOMAGNO G.M., CENEDESE A. and IANNETTA S.:** “Indagine sperimentale della scia di convezione naturale generata da un cilindro orizzontale”, Memoria presentata al XXXVII Cong. Naz. ATI, Padova (1982)
 - 47 - **CARLOMAGNO G.M., FESTA R. and MASSIMILLA L.:** “Heat Recovery From Diesel Exhausts by Means of a Fluidized Bed Exchanger”, in Knowlton T.M. ed., Fluidization and Fluid-Particle System: Theories and Applications, AIChE Symp. Series, Vol. **79**, no. 222, 66-73, ISBN: 0816902461 (1983)
 - 48 - **CARLOMAGNO G.M.:** “Transport Processes in the Upper Atmosphere”, in Applications of Tethers in Space, NASA BQ5, 281-284 (1983)
 - 49 - **CARLOMAGNO G.M and RAPILLO A.:** “Analisi sperimentale della diffusione di specie di massa in un getto bidimensionale con interferometria schlieren”, Memoria presentata al VII Cong. Naz. AIDAA, Napoli (1983)
 - 50 - **CARLOMAGNO G.M., CENEDESE A. and IANNETTA S.:** “LDA Velocity Measurements in the Buoyant Plume Above a Horizontal Cylinder”, *Archives of Mechanics*, **36**, 515-521 (1984)
 - 51 - **CARLOMAGNO G.M. and RAPILLO A.:** “Trasmissione del calore tra una superficie ed un getto bifase”,

- Atti II Cong. Naz. UIT, A. 195-203, Bologna (1984)
- 52 - **CARLOMAGNO G.M.:** “Interferometria schlieren nei processi di diffusione di gas”, Atti IV Cong. Naz. Elettronica Quantistica e Plasmi, Vol. **2.2**, 189-192 Capri (1984)
- 53 - **SEVERI A., GARUGLIERI I., FIDANZATI G. and CARLOMAGNO G.M.:** “Realizzazione e caratterizzazione di un laser a CO₂ a flusso assiale veloce da 2 kW”, Atti IV Cong. Naz. Elettronica Quantistica e Plasmi, Vol. **2.1**, 151-159, Capri (1984)
- 54 - **CARLOMAGNO G.M.:** “La regione iniziale nella diffusione di massa in un getto bidimensionale piano”, Atti VII Cong. Naz. AIMETA, Vol. **IV**, 217-225, Trieste (1984)
- 55 - **CARLOMAGNO G.M.:** “The Initial Region in a Plane Two-Dimensional Jet”, *Heat and Technology*, **3**, 123-131, ISSN 03928764 (1985)
- 56 - **CARLOMAGNO G.M.:** “Schlieren Interferometry in the Mass Diffusion of a Two-Dimensional Jet”, *Experiments in Fluids*, **3**, 137-141, ISSN 0723-4864 (1985)
- 57 - **CARLOMAGNO G.M., RAPILLO A. and LOMBARDI P.:** “Heat Transfer From a Hot Surface to an Impinging Spray”, Proc. X Canadian Congress of Applied Mechanics, Vol. **2**, C.31-32, London, Ontario (1985)
- 58 - **CARLOMAGNO G.M. and DE LUCA L.:** “Computer Aided Application of Infrared Scanning Radiometer to Measure Heat Fluxes”, Proc. Lect. Series on The Computer in Experimental Fluid Dynamics, 43-46, Von Karman Institute (1985)
- 59 - **CARLOMAGNO G.M. and RAPILLO A.:** “Digital Image Analysis of Shearing Interferograms”, Proc. Lect. Series on the Computer in Experimental Fluid Dynamics, 47-49, Von Karman Institute (1985)
- 60 - **CARLOMAGNO G.M. and DE LUCA L.:** “Termografia all’infrarosso nella determinazione dei coefficienti di scambio termico”, Atti III Cong. Naz. UIT, C, 125-133, Palermo (1985)
- 61 - **CARLOMAGNO G.M. and RAPILLO A.:** “Interferogram Analysis by Means of a Photodiode Array”, in Fagan W.F. ed., *Optics in Engineering Measurements*, SPIE Vol. **559**, 160-165 (1985)
- 62 - **CARLOMAGNO G.M., MEOLA C. and SCINTI ROGER U.:** “Sull’impianto di condizionamento a ricircolazione di un velivolo commerciale”, Memoria presentata al XL Cong. Naz. ATI, Trieste (1985)
- 63 - **CARLOMAGNO G.M. and DE LUCA L.:** “Valutazione di flussi di calore mediante termografia all’infrarosso”, Atti XL Cong. Naz. ATI, Vol. **V**, 377-385, Trieste (1985)
- 64 - **CARLOMAGNO G.M.:** “Analisi teorico-sperimentale della convezione libera indotta su una lastra piana da una sorgente lineare di massa e di energia”, Atti VIII Cong. Naz. AIDAA, 185-202, Torino (1985)
- 65 - **CARLOMAGNO G.M. and LOMBARDI P.:** “Convective Wall Plume Induced by a Linear Mass Source”, *Heat and Technology*, **4**, 80-94, ISSN 03928764 (1986)
- 66 - **CARLOMAGNO G.M., DE LUCA L., SIEMERS P.M. and WOOD G.M. Jr.:** “Shuttle Continuous Open Wind Tunnel”, in W.A. Baracat ed., *Applications of Tethers in Space*, NASA CP2422, 225-249 (1986)
- 67 - **WOOD G.M. Jr., SIEMERS P.M., CARLOMAGNO G.M. and HOFFMAN J.:** “Shuttle Tethered Aerothermodynamics Research Facility”, in *Applications of Tethers in Space*, NASA CP2422, 251-263 (1986)
- 68 - **CARLOMAGNO G.M. and RAPILLO A.:** “A Wollaston Prism Interferometer Implemented with a Digitizer”, *Experiments in Fluids*, **4**, 332-336, ISSN 0723-4864 (1986)
- 69 - **CARLOMAGNO G.M.:** “Metodi ottici quantitativi nella diffusione di massa e di energia”, *Memoria ad invito*, Atti 4 Cong. Naz. UIT, **I**, 13-22, Genova (1986)
- 70 - **CARLOMAGNO G.M., DE LUCA L., SIEMERS P.M. and WOOD G.M. Jr.:** “The Tethered Satellite System for Low Density Aerothermodynamics Studies”, Proc. 4th Nat. Cong. UIT, C, 38-50bis, Genova (1986)
- 71 - **CARLOMAGNO G.M., DE LUCA L., SIEMERS P.M. and WOOD G.M. Jr.:** “Low Density Aerothermodynamics Studies Performed by Means of the Tethered Satellite System”, in Boffi V. and Cercignani C. eds., *Rarefied Gasdynamics XV*, Vol. **I**, 574-585, B. G. Taubner, Stuttgart, ISBN 3519026228 (1986)
- 72 - **CARLOMAGNO G.M. and DE LUCA L.:** “Instability Due to Surface Tension in the Continuous Downflow of a Thin Liquid Sheet”, in G. Wilks and D.B.R. Kenning eds., *EUROMECH COLLOQUIUM 211 on Heat and Mass Transfer in the Flow of Thin Liquid Films*, *EUROMECH- European Mechanics Society*, 13-15, Glasgow (1986)
- 73 - **CARLOMAGNO G.M. and DE LUCA L.:** “Thermographic Measurements of Heat Transfer from Jets Impinging on a Flat Plate”, in Keramidis G.A. and Brebbia C.A. eds., *Computational Methods and Experimental Measurements*, Vol. **1**, 111-118, Springer-Verlag, ISBN 0905451619 (1986)
- 74 - **CARLOMAGNO G.M. e DE LUCA L.:** “La risposta dei sensori di flusso termico in regime instazionario”, Atti XLI Cong. Naz. ATI, Vol. **III**, VI 141-152, Napoli (1986)
- 75 - **CARLOMAGNO G.M., DE LUCA L. and MEOLA C.:** “Misure termografiche dello scambio termico tra una lastra piana e getti di aria incidenti su essa”, Atti XLI Cong. Naz. ATI, Vol. **III**, VI 153-160, Napoli (1986)
- 76 - **CARLOMAGNO G.M.:** “Termografia all’infrarosso nella determinazione dei coefficienti di scambio termico”, Atti Seminario delle U.O. del PFE2-CNR, Vol. **3-UF**, 309-316, Pisa (1986)
- 77 - **DE LUCA L. and CARLOMAGNO G.M.:** “Instability Due to Surface Tension in the Continuous Downflow of a Thin Liquid Film”, Atti VIII Cong. Naz. AIMETA, Vol. **I**, 265- 269, Torino (1986)
- 78 - **CARLOMAGNO G.M.:** “A Wollaston Prism Interferometer Used as a Reference Beam Interferometer”, Veret

- C. ed., in *Flow Visualization IV*, 105-110, Hemisphere, ISBN 0891166211 (1987)
- 79 - **CARLOMAGNO G.M. and DE LUCA L.:** "Heat Transfer Measurement by Means of Infrared Thermography", in Veret C. ed., *Flow Visualization IV*, 611-616, Hemisphere, ISBN 0891166211 (1987)
 - 80 - **CARLOMAGNO G.M., DE LUCA L. and RAPILLO A.:** "A New Type of Reference Beam Optical Interferometer for Gas Dynamics Studies", W. W. Hunter ed. . ICIASF '87 RECORD, Proc. 12th Int. Cong. in Aerospace Simulation Facilities, 221-226, IEEE, Williamsburg (1987)
 - 81 - **CARLOMAGNO G.M. and DE LUCA L.:** "Instability of a Thin Liquid Sheet in the Gravitational Field", in Shuqing Q. ed., Proc. Int. Conf. on Fluid Mechanics, 213-218, Beijing ISBN 7-301-00000-6-O (1987)
 - 82 - **DE LUCA L. and CARLOMAGNO G.M.:** "Effects of Surface Tension and Gravity Force on the Instability of a Thin Liquid Sheet", XVIII Biennal Symp. on Advanced Problems and Methods in Mechanics, Mragowo (1987)
 - 83 - **DE LUCA L., CARLOMAGNO G.M. and MEOLA C.:** "Infrared Thermography in the Measurement of Heat Transfer from a Heated Plate to a Square Array of Jets", Atti XLII Cong. Naz. ATI, Vol. V, 51-58, Genova (1987)
 - 84 - **SQUIRES R.K., WOLF H., HENRY M.W., SIEMERS P.M., WOOD G.M. and CARLOMAGNO G.M.:** "Shuttle Tethered Aerothermodynamics Research Facility-Advanced Concept Definition and Mission Analysis", 2nd Int. Conf. on Tethers in Space, Venice (1987)
 - 85 - **CARLOMAGNO G.M. and DE LUCA L.:** "Infrared Thermography for the Measurement of Heat Transfer Coefficients", IX Cong. Naz. AIDAA, 1-10, Palermo (1987)
 - 86 - **CARLOMAGNO G.M. and DE LUCA L.:** "Heat Transfer Measurements by Means of Infrared Thermography", Hermes Hypersonic Research Program Meeting, Stuttgart (1987)
 - 87 - **CARLOMAGNO G.M. and DE LUCA L.:** "Theoretical Analysis of the Instability of a Thin Liquid Sheet in Still Air", in Galdi G. P. and Straughan B. eds., Energy Stability and Convection, Pitman Res. Notes in Mathematics Series, **168**, 425-428, Longman Scient. Techn., Harlow, ISBN 0582003180 (1988)
 - 88 - **RAPILLO A., CARDONE G. and CARLOMAGNO G.M.:** "Digital Processing of Interferograms Obtained by Means of a New Type of Interferometer", Proc. 2nd Int. Symp. Fluid Control, Measurement and Visualization (FLUCOME '88), 337-341, Sheffield (1988)
 - 89 - **CARLOMAGNO G.M. and DE LUCA L.:** "Heat Transfer Measurements by Means of Infrared Thermography", Hermes Aerodynamics RD Program Meeting-Wind Tunnels, Poitiers (1988)
 - 90 - **CARLOMAGNO G.M. and DE LUCA L.:** "Computerized Thermography to Measure Heat Transfer from a Plate to Circular Air Jets", Proc. Int. Heat Mass Transfer Forum, **Vol. 1, 2-2**, 123-131, Minsk (1988)
 - 91 - **CARLOMAGNO G.M., DE LUCA L., SIEMERS P.M. and WOOD Jr.:** "The Use of Tethered Satellite System to Perform Low Density Aerothermodynamics Studies", in Kyohei Kondo ed., Proc. 16th Int. Symp. Space Techn. Sci., Vol. **II**, 1627-1631, Sapporo, Tokyo: Agne Kikaku, Co, Ltd (1988)
 - 92 - **CARLOMAGNO G.M., DE LUCA L., BURESTI G. and LOMBARDI G.:** "Characterization of Boundary Layer Conditions in Wind Tunnel Tests Through IR Thermography Imaging", in T.L. Williams ed., Applications of Infrared Technology, SPIE Vol. **918**, 23-29, ISBN 0892529539 (1988)
 - 93 - **CARLOMAGNO G.M. and DE LUCA L.:** "Heat Transfer Measurements by Means of Infrared Thermography", Hermes Meeting, Aachen (1988)
 - 94 - **CARLOMAGNO G.M. and RAPILLO A.:** "Digital Processing of Interferograms", in Yang W.J. ed., Handbook of Flow Visualization, 235-260, Hemisphere, ISBN 0891166696 (1989)
 - 95 - **CARLOMAGNO G.M. and DE LUCA L.:** "Infrared Thermography in Heat Transfer" in Yang W.J. ed., Handbook of Flow Visualization, 531-553, Hemisphere, ISBN 0891166696 (1989)
 - 96 - **CARLOMAGNO G.M. and DE LUCA L.:** "Infrared Thermography in Aerothermodynamics Research", Thermosense XI, SPIE's Techn. Symp., Orlando (1989)
 - 97 - **CARLOMAGNO G.M. and DE LUCA L.:** "Aerodynamic Heating Measurements with an Infrared Camera", European Mechanics Colloquium 246 on Hypersonic Aerodynamics of Spacecraft, 12, Torino (1989)
 - 98 - **CARLOMAGNO G.M. and BREBBIA C.A. eds.:** Computers and Experiments in Fluid Flow, 1-476, Computational Mechanics-Springer Verlag, ISBN 3 540 51110 5 (1989)
 - 99 - **CARLOMAGNO G.M. and BREBBIA C.A. eds.:** Computers and Experiments in Stress Analysis, 1-474, Computational Mechanics - Springer Verlag, ISBN 3 540 51111 3 (1989)
 - 100 - **CARLOMAGNO G.M. ed.:** Computers and Experiments in Mechanics, 1-279, CUEN, Napoli (1989)
 - 101 - **CARLOMAGNO G.M., DE LUCA L. and ALZIARY DE ROQUEFORT T.:** "Heat Transfer Measurements with an Infrared Camera in Hypersonic Flow", in Carломagno G.M. and Brebbia C.A. eds., Computers and Experiments in Fluid Flow, 467-476, Computational Mechanics-Springer Verlag, ISBN 3 540 51110 5 (1989)
 - 102 - **DE LUCA L., CARLOMAGNO G.M., WOOD G. and SIEMERS P.:** "High Altitude Aerothermodynamic Research Opportunities with Large Tethered Satellite", 3rd Int. Conf. on Tethers in Space, San Francisco (1989)
 - 103 - **CARLOMAGNO G.M. and DE LUCA L.:** "Heat Transfer Measurements by Means of Infrared Thermography", Hermes Meeting, Stockholm (1989)
 - 104 - **DE FELICE G., DE LUCA L. and CARLOMAGNO G.M.:** "La misura dei flussi termici convettivi nel caso

- di distribuzioni non uniformi”, Atti VII Cong. Naz. UIT, 591-599, Firenze (1989)
- 105 - CARLOMAGNO G.M. and DE FELICE G.:** “Misure di pressione”, in Sensori per applicazioni industriali, 277-291, CRIAI- TECNOPOLIS, Portici (1989)
- 106 - CARLOMAGNO G.M. and DE LUCA L.:** “Transition and Separation on an Airfoil Studied by Infrared Thermography”, Proc. 4th Asian Congress of Fluid Mechanics, I, C1-2, Hong Kong (1989)
- 107 - CARLOMAGNO G.M. and DE LUCA L.:** “Aerodynamic Heating to Slender and Blunt Bodies in Hypersonic Flow”, XIX Biennal Symp. on Advanced Problems and Methods in Fluid Mechanics, Kozubnik (1989)
- 108 - DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Misura di flussi termici convettivi con un radiometro a scansione nell’infrarosso”, *Aerotecnica Missili e Spazio*, **68**, 48-56, ISSN 0365-7442 (1989)
- 109 - CARLOMAGNO G.M. and DE LUCA L.:** “Heat Transfer to Impinging Jets Measured by Infrared Thermography”, in Hirata M.H. et al. eds., Proc. COBEM ‘89, Vol. **1**, 209-218, Rio de Janeiro (1989)
- 110 - CARLOMAGNO G.M. and DE LUCA L.:** “Heat Transfer Measurements by Means of Infrared Thermography”, Hermes Meeting, ONERA, Chatillon (1989)
- 111 - DE LUCA L., CARLOMAGNO G.M. and BURESTI G.:** “Boundary Layer Diagnostics by Means of an Infrared Scanning Radiometer”, *Experiments in Fluids*, **9**, 121-128, ISSN 0723-4864 (1990)
- 112 - CARLOMAGNO G.M. and DE LUCA L.:** “Infrared Thermography Applications in Convective Heat Transfer”, in Reznicek R. ed., Flow Visualization V, 843-848, Hemisphere, ISBN 0891168877 (1990)
- 113 - WOOD G.M., SIEMERS P.M., SQUIRES R.K., WOLF H., CARLOMAGNO G.M. and DE LUCA L.:** “Downward-Deployed Tethered Platform for High Enthalpy Aerothermodynamic Research”, *Journal of Spacecraft and Rockets*, **27**, 216-221, ISSN 0022-4650, doi: 10.2514/3.26126 (1990)
- 114 - AYMER D., ALZIARY T., CARLOMAGNO G.M. and DE LUCA L.:** “Experimental Study of a Flow Over a Double Ellipsoid”, in Proc. Workshop on Hypersonic Flow for Reentry Problems, Vol. **4**, Part I, 1 - 10, Antibes (1990)
- 115 - DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Theoretical and Experimental Analysis of the Modulation Response of a Sampled IR Imaging System”, in Semanovich S.A. ed., Thermosense XII, SPIE Vol. **1313**, 259-268, ISBN 0819403644 (1990)
- 116 - CARLOMAGNO G.M. and DE LUCA L.:** “Heat Transfer Measurements by Means of Infrared Thermography”, Hermes Meeting, Bruxelles (1990)
- 117 - CARLOMAGNO G.M.:** “Infrared Thermography” in Measurements Techniques for Hypersonic Flows, von Karman Institute for Fluid Mechanics Lect. Series 1990-05, 1-27, Rhode-Saint-Genese (1990)
- 118 - DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Image Restoration in Thermo-fluid-dynamic Applications of IR Digital Imagery”, in Lettington A.H. ed., Infrared Technology and Application, SPIE Vol. **1320**, 448-457, ISBN 9780819403810 (1990)
- 119 - WOOD G.M., WILMOTH R.G., CARLOMAGNO G.M. and DE LUCA L.:** “Proposed Aerothermodynamic Experiments in Transition Flow Using the NASA/ASI Tethered Satellite System-2”, in Proc. 28th Aerospace Sci. Meet., AIAA-90- 0536, 1-6, Reno, USA (1990)
- 120 - CARLOMAGNO G.M., DE LUCA L. and CARDONE G.:** “The Use of IR Thermography in Icing Wind Tunnel Test”, 3rd CAPRI Techn. Steer. Committee Meeting, Schipol (1990)
- 121 - CARLOMAGNO G.M. and DE LUCA L.:** “Heat Transfer Measurements by Means of Infrared Thermography”, Hermes Aerodynamics R & D Meeting, C.I.R.A., Capua (1990)
- 122 - CARLOMAGNO G.M., DE LUCA L. and ALZIARY DE ROQUEFORT T.:** “Mapping and Measurement of Aerodynamic Heating and Surface Flow Visualization in Hypersonic Flow”, in Xue-Jun Chen, Veziroglu T.N. and Tien C.L. eds., Multiphase Flow and Heat Transfer, Vol. **2** 1316 - 1325, Hemisphere, ISBN 1560320508 (1991)
- 123 - AYMER D., ALZIARY T., DE LUCA L. and CARLOMAGNO G.M.:** “Experimental Study of a Flow Over a Double Ellipsoid Configuration” in Desideri J.A., Glowinski R. and Periaux J. eds., Hypersonic Flows for Reentry Problems. vol. II, p. 335-357, Springer-Verlag, ISBN: 3540538593 (1991)
- 124 - CARDONE G. and CARLOMAGNO G.M.:** “Convenzione naturale su lastra piana nei regimi stazionario ed instazionario”, Atti IX Cong. Naz. UIT, 397-410 Pisa (1991)
- 125 - SOUSA A., BREBBIA C.A. and CARLOMAGNO G.M. eds.:** Computational Methods and Experimental Measurements V, ISBN 1 85166 680 X, 1-718, Elsevier Appl. Sci., ISBN 185166680X (1991)
- 126 - DE LUCA L., CARDONE G., CARLOMAGNO G.M., ALZIARY DE ROQUEFORT T. and AYMER DE LA CHEVALERIE D.:** “Infrared Measurements of Aerodynamic Heating in Hypersonic Wind Tunnel”, in Battrick B. ed., Aerothermodynamics for Space Vehicles, ESA SP-318, 229-234, ISBN 9290921145 (1991)
- 127 - MEOLA C., CARDONE G. and CARLOMAGNO G.M.:** “Fattori di recupero e coefficiente di scambio termico nel raffreddamento di una lastra mediante un getto incidente”, Memoria presentata al XLVI Cong. Naz. ATI, Gaeta (1991)
- 128 - CARLOMAGNO G.M. and DE LUCA L.:** “Infrared Thermography for Flow Visualization and Heat Transfer Measurements”, *Atti Fondaz. G. Ronchi*, **LXIV**, 191-219, ISSN 0391-2051 (1991)
- 129 - DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Analysis of the Hypersonic Flow Around

- Ellipsoidal Bodies”, in Proc. XI Cong. Naz. AIDAA, Vol. I, 186-198, Forlì (1991)
- 130 - **DE LUCA L., CARDONE G., CARLOMAGNO G.M., AYMER D. and ALZIARY DE ROQUEFORT T.:** “Flow Visualization and Heat Transfer Measurements in Hypersonic Wind Tunnel”, *Experimental Heat Transfer*, **5**, 65 – 79, ISSN 0891-6152 (1992)
- 131 - **CARLOMAGNO G.M., DE LUCA L. and CARDONE G.:** “Hypersonic Aerodynamics Research with an Infrared Imaging System”, *Invited lecture*, in Proc. Nato Advanced Research Workshop: New Trends in Instrumentation for Hypersonic Research, 6G-1/10, ONERA Le Fauga-Hauzac (1992)
- 132 - **CARLOMAGNO G.M. and DE LUCA L.:** “Infrared Thermography Applied to Heat Transfer Measurements and Flow Visualization”, in Proc. IV Int. Conf. Fluid Mechanics, Vol. III, 131-136, Alexandria, Egipt (1992)
- 133 - **DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Detection of Goertler Vortices in Hypersonic Flow”, in Proc. 18th Congress International Council Aeronautical Sciences, 1883-1891, Beijing (1992)
- 134 - **CARLOMAGNO G.M.:** “Flow Visualization and Heat Transfer Measurements by Infrared Thermography”, *Keynote Paper*, in Tanida Y. and Miyashiro H. eds., Flow Visualization VI, 514- 519, Springer-Verlag (1992)
- 135 - **CARLOMAGNO G.M.:** “Characterization of Hypersonic Flow in Wind Tunnel”, in R. Brun and A. A. Chikhaoui eds., Aerothermochemistry of Spacecraft and Associated Hypersonic Flows, 437-442, IUTAM Symp. No. 25, Marseille (1992)
- 136 - **DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Characterization of Hypersonic Flows in Wind Tunnel”, in Azevedo L.F.A., Braga S.L. and Braga C.V.M. eds., Proc. 4th Brazilian Thermal Science Meeting (ENCIT’92), 251-256, ABCM, Rio de Janeiro (1992)
- 137 - **BALAGEAS D., BUSSE G. and CARLOMAGNO G.M. eds.:** Quantitative InfraRed Thermography-QIRT92, Eurotherm 27, 1-401, I-XVI, Editions Europeennes Thermique & Industrie, Paris, ISBN 2 85933 031 3 (1992)
- 138 - **DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Fluid Dynamics Applications of IR Imaging System”, in Balageas D., Busse G. and Carlomagno G.M. eds., Quantitative Infrared Thermography - QIRT 92, 98-103, Editions Europeennes Thermique & Industrie, Paris, ISBN 2 85933 031 3 (1992)
- 139 - **CARLOMAGNO G.M.:** “Flow Visualization and Convective Heat Transfer Measurements by Means of Infrared Thermography”, *Keynote lecture*, in Sideman S. and Hijikata K. eds., Imaging in Transport Processes, 97-108, Begell House, N.Y. (1993)
- 140 - **BREBBIA C.A. and CARLOMAGNO G.M. eds.:** Heat and Fluid Flow, ISBN 1 85166 964 7, 1-578, Elsevier Appl. Sci., ISBN: 1-85166-964-7 (1993)
- 141 - **BREBBIA C.A. and CARLOMAGNO G.M. eds.:** Stress Analysis, ISBN 1 85166 967 1, 1-552, Elsevier Appl. Sci., ISBN: 1-85166-967-1 (1993)
- 142 - **DE LUCA L., CARDONE G. and CARLOMAGNO G.M.:** “Experimental Investigation on Goertler Vortices in Hypersonic Flow”, in C.A. Brebbia and G.M. Carlomagno eds., Heat and Fluid Flow, 413-427, Elsevier Appl. Sci., ISBN: 1-85166-964-7 (1993)
- 143 - **CARLOMAGNO G. M.:** “Infrared Thermography Applied to Heat Transfer Measurements and Flow Visualization”, in Bilgen E., Mir A., Vasseur P. and Zirikem Z., Proc. I Int. Thermal Energy Cong., Vol. 2, 709-712, ITEC, Marrakesh (1993).
- 144 - **CARLOMAGNO G.M. and CORSI C. eds:** Advanced Infrared Technology and Applications, *Atti Fond. G. Ronchi*, **LXV**, 1-448, Firenze ISSN: 0391-2051 (1993)
- 145 - **D’ALTERIO R., CAICO V. and CARLOMAGNO G.M.:** “Termofluidodinamica di un sistema flottante”, *Atti XI Cong. Naz. Trasmissione del Calore*, 113-124, Milano (1993).
- 146 - **D’ALTERIO R., CARDONE G. and CARLOMAGNO G.M.:** “Convezione naturale su lastra piana in regime stazionario”, *Atti XI Cong. Naz. Trasmissione del Calore*, 125-134, Milano (1993).
- 147 - **CARDONE G., DI LEVA O.M. and CARLOMAGNO G.M.:** “Heat Transfer in a Backward-Facing Step Flow”, in Proc. II Int. Conf. on Fluid Mechanics, 970-975, Peking University Press (1993).
- 148 - **CARDONE G., DI LEVA O.M. and CARLOMAGNO G.M.:** “Heat Transfer and Flow Visualization in a Backward-Facing Step Flow”, in Proc. Int. Symp. Heat and Mass Transfer in Energy Systems and Environmental Effects, 324-329, Cancun (1993).
- 149 - **CARLOMAGNO G.M.:** “Infrared Thermography in a Convective Heat Transfer Problem”, in Proc. VIII Int. Conf. on Thermal Eng. and Thermogrammetry, 191-196, Budapest (1993).
- 150 - **CARLOMAGNO G.M., CARDONE G. and DI LEVA O.M.:** “Heat Transfer in a Backward-Facing Step Flow”, *Keynote Presentation*, Euromech N°. 309, Göttingen (1993).
- 151 - **CARLOMAGNO G.M. e CARDONE G.:** “La misura della pressione nella meccanica dei fluidi”, *Controllo di processo*, **III**, 2, 5-13, BIAS ed. (1993).
- 152 - **CARDONE G., DI LEVA O.M. and CARLOMAGNO G.M.:** “Heat Transfer Measurements and Surface Flow Visualization of a Backward-Facing Step Turbulent Flow”, in Khalighi B. et al. eds., Experimental and Numerical Flow Visualization, ASME, New York, **172**, 35-42 (1993).
- 153 - **CARLOMAGNO G.M.:** “Heat Transfer Measurements by Means of Infrared Thermography”, in Measurement Techniques, von Karman Institute for Fluid Mechanics Lect. Series 1993-05, 1-114, Rhode-Saint-Genese (1993)
- 154 - **CARLOMAGNO G.M.:** “Image Processing of Infrared Thermograms”, in Lee J. S., Chung S. H. and Kim K.

- H. eds., Thermal Engineering, Vol. IV, 129-132, Korean Soc. Mech. Eng., Seoul, Korea (1993)
- 155 - **CARLOMAGNO G.M., DE LUCA L., MEOLA C., PIRELLI M., RIEGEL E. and SALVATO F.:** “Sul fenomeno di accrescimento del ghiaccio su superfici aerodinamiche”, *Atti XII Cong. Naz. AIDAA*, Vol. I, 247-258, Como (1993)
- 156 - **CARDONE G., DE LUCA L. and CARLOMAGNO G.M.:** “Experimental Analysis on Hypersonic Viscous Interaction”, in *Proc. XII Cong. Naz. AIDAA*, Vol. I, 349-356, Como (1993)
- 157 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Infrared Thermography to Measure Local Heat Transfer Coefficients on a Disk Rotating in Still Air”, *Atti Fond. G. Ronchi*, **II**, 143-153, Firenze ISSN: 0391-2051 (1994)
- 158 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Heat Transfer Measurements on a Rotating Disk”, in *Proc. Int. Symp. on Transport Phenomena and Dynamics of Rotating Machinery*, Vol. I, 663-672, Kaanapali, Hawaii (1994)
- 159 - **MEOLA C., DE LUCA L. and CARLOMAGNO G.M.:** “Instability Phenomena within a Jet Impinging Upon a Flat Plate”, in P. Hebrard ed., *Proc. 4th Int. Symp. Fluid Control, Measurement and Visualization (FLUCOME '94)*, Vol. 1, 69-74, Toulouse (1994) ISBN: 2840880105
- 160 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Heat Transfer Measurements on a Rotating Disk in Still Air”, in P. Hebrard ed., *Proc. 4th Int. Symp. Fluid Control, Measurement and Visualization (FLUCOME '94)*, Vol. 2, 775-780, Toulouse (1994) ISBN: 2840880105
- 161 - **MEOLA C., CARLOMAGNO G.M., RIEGEL E. and SALVATO F.:** “An Experimental Study of an Anti-Icing Hot Air Spray-Tube System”, in *Proc. 19th Cong. Int. Council Aeronautical Sciences*, Vol. 3, 2345-2351, Anaheim, USA (1994)
- 162 - **CARLOMAGNO G.M.:** “Infrared Thermography in Thermo-Fluid-Dynamics”, *Invited Paper*, in M. Onorato ed., *Proc. II Int. Conf. Experimental Fluid Mechanics*, 102-109 bis, Levrotto & Bella, Torino (1994)
- 163 - **CARDONE G., CARLOMAGNO G.M., DE LUCA L. and GUGLIERI G.:** “Investigation of Surface Flow on a 65° Delta Wing by IR Thermography”, in M. Onorato ed., *Proc. II Int. Conf. Experimental Fluid Mechanics*, 695-705, Levrotto & Bella, Torino (1994)
- 164 - **CARLOMAGNO G.M.:** “La termografia all’infrarosso e le sue applicazioni in trasmissione del calore”, *Boll. UIT*, **1**, 1, 2-3, ETS Pisa (1995)
- 165 - **MEOLA C., DE LUCA L. and CARLOMAGNO G.M.:** “Azimuthal Instability in an Impinging Jet: Adiabatic Wall Temperature Distribution”, *Experiments in Fluids*, **18**, 303 - 310, ISSN 0723-4864 (1995)
- 166 - **BALAGEAS D., BUSSE G. and CARLOMAGNO G.M. eds.:** Quantitative InfraRed Thermography - QIRT 94, Eurotherm 42, 1-320, I-XVI, Editions Européennes Thermique & Industrie, Paris, ISBN 2 85933 042 9, ISSN: 1248-8313 (1995)
- 167 - **MEOLA C., DE LUCA L., and CARLOMAGNO G.M.:** “Thermal Measurements Within a Single Axisymmetric Jet Impinging to a Flat Plate”, in Balageas D., Busse G. and Carlomagno G.M. eds., Quantitative Infrared Thermography - QIRT 94, 180-185 Editions Européennes Thermique & Industrie, Paris ISBN 2 85933 042 9 (1995)
- 168 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “IR Heat Transfer Measurements on a Rotating Disk” in Balageas D., Busse G. and Carlomagno G.M. eds. Quantitative Infrared Thermography - QIRT 94, , 146-151 Editions Européennes Thermique & Industrie, Paris ISBN 2 85933 042 9 (1995)
- 169 - **MEOLA C., CARLOMAGNO G.M., RIEGEL E. and SALVATO F.:** “Infrared Thermography on Testing an Anti-icing Device” in Balageas D., Busse G. and Carlomagno G.M. eds., Quantitative Infrared Thermography - QIRT 94, 186-191 Editions Européennes Thermique & Industrie, Paris ISBN 2 85933 042 9 (1995)
- 170 - **CARLOMAGNO G.M. and BREBBIA C.A. eds.:** Computational Methods and Experimental Measurements VII, 1-770, Computational Mechanics, Southampton ISBN 1-85312-313-7 (1995)
- 171 - **CARLOMAGNO G.M.:** “Heat Transfer Measurements and Flow Visualization Performed by means of Infrared Thermography”, in Di Marco P. ed., Heat Transfer in Single Phase Flows 4, 45-52, Pisa (1995)
- 172 - **DE LUCA L. , GUGLIERI G., CARDONE G. and CARLOMAGNO G.M.:** “Experimental Analysis of Surface Flow on a Delta Wing by Infrared Thermography”, *AIAA Journal*, **33**, 1510-1512 ISSN: 0001-1452 (1995).
- 173 - **CARDONE G., CARLOMAGNO G.M., DE LUCA L., IUSO G. and ONORATO M.:** “Wall Heat Flux Reduction by Outer Layer Devices”, in Crowder J. P. ed., Flow Visualization VII, 964-969, Begell House Inc., New York (1995)
- 174 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Surface Flow Visualization Around a 180 deg Turn Channel for Different Aspect Ratios”, in Crowder J. P. ed., Flow Visualization VII, 977-982, Begell House Inc., New York (1995)
- 175 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Heat Transfer and Surface Flow Visualization Around a 180deg Turn in a Rectangular Channel”, in Anand N.K., Amano R.S. and Armaly B.F. eds., Heat Transfer in Turbulent Flows, ASME HTD Vol. **318**, 161-168 (1995)
- 176 - **CARLOMAGNO G.M. :** “Surface Flow Visualization of a Backward Facing Step Flow”, in Nakayama Y. and

- Tanida Y. eds., Atlas of Visualization II, 117-137, CRC Press, Boca Raton, ISBN 0 8493 2656 7 (1996)
- 177 - **CARLOMAGNO G.M., CARDONE G., and ASTARITA T.:** “Heat Trasfer Around a 180deg Turn in a Square Channel”, in Proc. 20th Cong. Int. Council Aeronautical Sciences, Vol. 2, 2522-2527, Sorrento (1996)
- 178 - **CARLOMAGNO G.M.:** “Quantitative Infrared Thermography in Heat and Fluid Flow”, *Keynote paper*, in Optical Methods and Data Processing in Heat and Fluid Flow, 279-290, Mech. Eng. Publ. Ltd, London ISBN 1 86058 142 0 (1996)
- 179 - **CARLOMAGNO G.M.:** “Quantitative Infrared Thermography”, *Keynote paper*, in Celata G.P. et al. eds., Proc. II Europ. Thermal Sciences Conf., Vol I, 93-102, ETS, Pisa (1996)
- 180 - **MEOLA C., DE LUCA L. and CARLOMAGNO G.M.:** “Influence of Shear Layer Dynamics on Impingement Heat Transfer”, *Experimental Thermal and Fluid Science*, **13**, 29-37 (1996) ISSN: 0894-1777, doi: 10.1016/0894-1777(96)00011-8
- 181 - **CARLOMAGNO G.M.:** “Convective Heat Transfer Measurements”, *Invited paper, Atti Fond. G. Ronchi, LI*, Vol. **1-2**, 199-217, Firenze ISSN: 0391-2051 (1996)
- 182 - **ASTARITA T., CARDONE G., and CARLOMAGNO G.M.:** “IR Heat Transfer Measurements Around a 180 Degree Turn”, *Atti Fond. G. Ronchi, LI*, Vol. **1**, 239-251 Firenze ISSN: 0391-2051 (1996)
- 183 - **CARLOMAGNO G.M.:** “La termografia all’infrarosso e le sue applicazioni in trasmissione del calore”, in Scritti in onore di Mario Ippolito, 97-105, Associazione Idrotecnica Italiana (1996)
- 184 - **CARLOMAGNO G.M.:** “Zastosowania Ilosciowej Termografii W Podczerwieni do Mechaniki Plynów” *Keynote lecture* in TTP’96, Trzecia Ogólnopolska Konferencja Termografii I Termometrii W Podczerwieni, 55-76, Warszawa (1996)
- 185 - **G. CARDONE, T. ASTARITA and CARLOMAGNO G.M.:** “Infrared Heat Transfer Measurements on a Rotating Disk”, *Optical Diagnostics in Engineering*, **1** Part 2, 1-7 ISSN 1364-4173 (1996)
- 186 - **CARLOMAGNO G.M.:** “Quantitative Infrared Thermography”, *Heat and Technology*, **14**, 2, 25-33 ISSN 03928764 (1996)
- 187 - **MEOLA C., CARDONE G., CARLOMAGNO G.M. AND MARINO L.:** “Heat transfer in separated and reattached flow regions over a circular cylinder”, Proceedings of *QIRT 96* D. Balageas, G. Busse and G. M. Carlomagno eds., pp.171-176, Stuttgart, Germany, 2-5 september, 1996.
- 188 - **CARDONE G., BURESTI G. and CARLOMAGNO G.M.:** “Heat Transfer to Air from a Yawed Circular Cylinder”, in Nakayama Y. and Tanida Y. eds, Atlas of Visualization III, Ch. 10, 153-168, CRC Press, Boca Raton (1997)
- 189 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Heat Transfer Measurements on a Rotating Disk”, *International Journal of Rotating Machinery*, **3**, 1-9 ISSN 1023-621X (1997)
- 190 - **CARLOMAGNO G.M.:** “Thermo-fluid-dynamics Applications of Quantitative Infrared Thermography”, *Keynote lecture*, in Mochizuki S. ed, Proc. First Pacific Symposium on Flow Visualization and Image Processing, Vol. **1**, 35-45, Honolulu (1997)
- 191 - **CARLOMAGNO G.M.:** “The Measurement of Convective Heat Transfer Coefficients by Means of Infrared Thermography”, *Invited lecture*, Proc. 3rd International Thermal Energy Congress, 125-138, Kitakyushu (1997)
- 192 - **CARLOMAGNO G.M.:** “Infrared Thermography and Convective Heat Transfer”, *Keynote lecture*, in Giot M., Mayinger F. and Celata G. P. eds., Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, Vol **1**, 29-41, ETS Pisa ISBN 88-467-0014-7 (1997)
- 193 - **ANAGNOSTOPOULOS P., CARLOMAGNO G.M. and BREBBIA C.A. eds.:** Computational Methods and Experimental Measurements VIII, ISBN 1 85312 463 X, 1-684, Computational Mechanics (1997)
- 194 - **CARLOMAGNO G.M.:** “Heat Transfer Measurements on a Rotating Disk, *Opening Lecture*, 8th Int. Conf. on Computational Methods and Experimental Measurements (CMEM 97), Rhodos, Greece (1997)
- 195 - **BALAGEAS D., BUSSE G. and CARLOMAGNO G.M. eds.:** Quantitative InfraRed Thermography - QIRT 96, ISBN 88 467 0089 9 Eurotherm 50, 1-408, I-XVI, ETS, Pisa ISBN 88-467-0089-9 (1997)
- 196 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Heat Transfer in a 180 Deg Turn Channel “, in Balageas D., Busse G. and Carlomagno G.M. eds, Quantitative Infrared Thermography - QIRT 96, 123-128, ETS, Pisa ISBN 88-467-0089-9 (1997)
- 197 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “IR Heat Transfer Measurements in a Rotating Channel “, in Balageas D., Busse G. and Carlomagno G.M. eds, Quantitative Infrared Thermography - QIRT 96, 147-152, ETS, Pisa ISBN 88-467-0089-9 (1997)
- 198 - **MEOLA C., CARDONE G., CARLOMAGNO G.M. and MARINO L.:** “Heat trasfer in Separated and Reattached Flow Regions over a Circular Gylinder”, in Balageas D., Busse G. and Carlomagno G.M. eds, Quantitative Infrared Thermography - QIRT 96, 171-176, ETS, Pisa ISBN 88-467-0089-9 (1997)
- 199 - **CARLOMAGNO G.M.:** “Thermo-Fluid-Dynamics Applications of Quantitative Infrared Thermography”, *Journal of Flow Visualization and Image Processing*, **4**, 261-280 ISSN 1065-3090 (1997)
- 200 - **CARLOMAGNO G.M., CARDONE G., MEOLA C. and ASTARITA T.:** “Infrared Thermography as a Tool for Thermal Surface Flow Visualization”, *Journal of Visualization*, **1**, 37-50 ISSN 1343-8875 (1998)
- 201 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Average Heat Transfer Measurements Near a

- Sharp 180 degree Turn Channel for Different Aspect Ratios” in Optical Methods and Data Processing in Heat and Fluid Flow, IMechE Conf. Trans. 1998-2, 137-146, ISBN 1-86058-142-0 (1998)
- 202 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Heat Transfer Measurements in a Rotating Two-pass Square Channel”, Proc. 7th International Symposium on Transport Phenomena and Dynamics of Rotating Machinery, Vol. C, 1664-1672, Honolulu, USA (1998)
- 203 - **CARLOMAGNO G.M., CENEDESE A. and DE ANGELIS G.:** “PTV Analysis of Jets in Cross-flow”, Proc. 9th International Symposium on Applications of Laser Techniques to Fluid Mechanics, Vol. 2, 38.3.1-38.3.7, Lisbon (1998).
- 204 - **CARLOMAGNO G.M. and GRANT I. eds.:** CD-Rom Proceedings of the 8th International Symposium on Flow Visualization, ISBN 0 9533991 0 9, Sorrento (1998)
- 205 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Heat Transfer Measurements on a Rotating Disk with a Centred Impinging Jet”, in G.M. Carlomagno and I. Grant eds., CD-Rom Proc. 8th International Symposium on Flow Visualization, Paper No. 268, Sorrento ISBN 0 9533991 0 9 (1998)
- 206 - **CARLOMAGNO G.M.:** “Thermographic Investigation of Same Surface Flow Patterns”, *Keynote lecture*, CD-Rom Proc. VSJ-SPIE International Conference on Optical Technology and Image Processing in Fluid, Thermal and Combustion Flow, Paper no. KL 309, Yokohama (1998)
- 207 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Wall Heat Transfer in Static and Rotating 180° Turn Channels by Quantitative Infrared Thermography”, *Revue Gènèrale de Thermique*, **37**, 664-652 ISSN 0035-3159 (1998)
- 208 - **CARLOMAGNO G.M.:** “The Measurements of Convective Heat Transfer Coefficients by Using Infrared Thermography”, *Atti Fond. G. Ronchi*, **LIII**, 149-168 (1998) ISSN: 0391-2051
- 209 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Heat Transfer Measurement in a Rotating Channel”, CD-Rom Proc. 21th Cong. Int. Council Aeronautical Sciences, Paper N. A98-31635, Melbourne (1998)
- 210 - **CARDONE G., MEOLA C. and CARLOMAGNO G.M.:** “Convective heat transfer to a jet in cross-flow”, Proc. Quantitative InfraRed Thermography 4 – QIRT 98, D. Balageas, G. Busse and G. M. Carlomagno eds., Akademickie Centrum Graficzno-Marketingowe Lodart S.A.Lodz, Poland, pp. 278-283 (1998)
- 211 - **CARLOMAGNO G.M.:** “La misura dei coefficienti di scambio termico convettivo mediante termografia all'infrarosso”, *Atti Accademia Pontaniana*, XLVII, pp 49-69 (1998)
- 212 - **CARLOMAGNO G.M.:** “Quantitative Infrared Thermography and Convective Heat Transfer Measurements”, *Invited Lecture*, in Kowalewski T. A., Kosinski W. and Kompenhans W. eds., Proc. Euromech Colloquium no. 406 on Image Processing Methods in Applied Mechanics, 7-14, Warsaw (1999).
- 213 - **CARLOMAGNO G.M. and BREBBIA C.A. eds.:** Computational Methods and Experimental Measurements IX, 1-636, WIT Press, Southampton ISBN 1 85312 683 7 (1999).
- 214 - **CARLOMAGNO G.M.:** “Infrared Thermography in Convective Heat Transfer Measurements”, *Opening Lecture*, 9th Int. Conf. on Computational Methods and Experimental Measurements (CMEM 99), Sorrento, Italy (1999)
- 215 - **CARLOMAGNO G.M.:** “The 8th International Symposium on Flow Visualization”, *Journal of Visualization*, **2**, 107-110 ISSN 1343-8875 (1999).
- 216 - **BALAGEAS D., BUSSE G. and CARLOMAGNO G.M. eds.:** Quantitative InfraRed Thermography 4 – QIRT 98, 1-350, Akademickie Centrum Graficzno – Marketingowe Lodart S. A., Lodz, Poland ISBN 8387202 88 6 (1999).
- 217 - **BALAGEAS D., BUSSE G., CARLOMAGNO G.M. and WIECEK B. eds.:** Quantitative InfraRed Thermography 4 – Medical InfraRed Thermography – MIRT 98, 1-66, Akademickie Centrum Graficzno – Marketingowe Lodart S. A., Lodz, Poland ISBN 8387202 88 6 (1999).
- 218 - **CARDONE G., MEOLA C. and CARLOMAGNO G.M.:** “Convective Heat Transfer to a Jet in Cross-Flow”, in Balageas D., Busse G. and Carlomagno G.M. eds, Quantitative InfraRed Thermography 4 - QIRT 98, 278-283, Lodz, Poland ISBN 8387202 88 6 (1999)
- 219 - **SCARANO F., ASTARITA T. and CARLOMAGNO G.M.:** “Analysis of a Turbulent Wall Jet with D-PIV”, in Cenedese A. and Pietrogiacomi D. eds., Proc. 8th Int. Conf. on Laser Anemometry-Advanced and Applications, 121-128, Rome (1999).
- 220 - **CARLOMAGNO G.M.:** “Quantitative Infrared Thermography and Convective Heat Transfer Measurements”, *Machine Graphics & Vision*, **8**, 509-528 ISSN 1230-0535 (1999)
- 221 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Experimental Analysis of the Flow near a 180° Turn”, *Atti del XV Congresso Nazionale AIDAA*, Vol. I, 29-40, Torino (1999)
- 222 - **CARLOMAGNO G.M.:** “Some Thermal Problems in Convective Heat Transfer”, *Invited Lecture*, in Grinzato E., Bison P.G. and Mazzoldi A. eds., CD-Rom Proc. 5th Advanced Infrared Technology and Applications (AITA 1999), 223-235, Venezia (1999)
- 223 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “IR Heat Transfer Measurement Between a Centred Impinging Jet and a Rotating Disk”, in Grinzato E., Bison P.G. and Mazzoldi A. eds., CD-Rom Proc. 5th

Advanced Infrared Technology and Applications (AITA 1999), 279-286, Venezia (1999).

- 224 - **CARLOMAGNO G.M., ASTARITA T. and CARDONE G.:** “Thermographic Investigation of Some Surface Flow Patterns”, *Journal of Visualization*, 2, 381-393 ISSN 1343-8875 (2000)
- 225 - **CARLOMAGNO G.M. and GRANT I. eds.:** CD-Rom Proceedings of The Millennium 9th International Symposium on Flow Visualization, Edimburgh ISBN 0 9533991 1 7 (2000)
- 226 - **CARLOMAGNO G.M.:** “Infrared Thermography: a Particular Surface Flow Visualization Technique”, *Leonardo da Vinci Memorial Lecture*, The Millennium 9th Int. Symp. on Flow Visualization, Edinburgh (2000)
- 227 - **MEOLA C., CARDONE G., CARMICINO C. and CARLOMAGNO G.M.:** “Fluid Dynamics and Heat Transfer in an Impinging Air Jet”, in Carlomagno G.M. and Grant I. eds: CD-Rom Proc. The Millennium 9th Int. Symposium on Flow Visualization, Edinburgh, ISBN 0 9533991 1 7 (2000)
- 228 - **ASTARITA T., G. CARDONE, CARLOMAGNO G.M. and C. MEOLA:** “A Survey on Infrared Thermography for Convective Heat Transfer Measurements”, *Optics & Laser Technology*, **32**, 593-610 ISSN 0030-3992 (2000)
- 229 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Flow Visualization in a Sharp 180 Turn With Rib Turbulators”, in G.M. Carlomagno and I. Grant eds., CD-Rom Proc. The Millennium 9th Int. Symposium on Flow Visualization, Edinburgh, ISBN 0 9533991 1 7 (2000).
- 230 - **CARDONE G., ASTARITA T. and CARLOMAGNO G.M.:** “Heat Transfer in a 180deg Turn Ribbed Square Channel” CD-Rom Proc. 22nd Cong. Int. Council Aeronautical Sciences, Paper N. ICA-553, Harrogate (2000).
- 231 - **BALAGEAS D., BEAUDOIN J-L., BUSSE G. and CARLOMAGNO G.M. eds. :** Quantitative InfraRed Thermography 5 – Qirt 2000, 1-414, Lodz, Poland ISBN 83 89003 45 7 (2000)
- 232 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Heat Transfer Measurements in a 180° Turn with Rib Turbulators by means of IR Thermography”, in Quantitative InfraRed Thermography 5 – QIRT 2000, Balageas D., Busse G., Beaudoin J-L and Carlomagno G.M. eds, 331-336, Lodz, Poland ISBN 83 89003 45 7 (2000)
- 233 - **CARDONE G., CARLOMAGNO G.M. and MEOLA C.:** “Heat Transfer Measurements in the Near Field of a Jet in Cross-flow” in, Quantitative InfraRed Thermography 5 – QIRT 2000, Balageas D., Beaudoin J-L., Busse G. and Carlomagno G. M eds., pp. 325-330, Lodz, Poland ISBN 83 89003 45 7 (2000)
- 234 - **CARLOMAGNO G.M. and RAPILLO A.:** “Digital Processing of Interferograms”, in Handbook of Flow Visualization, Yang W.J. ed., 241-266, Taylor & Francis, New York ISBN 1560324171 (2001)
- 235 - **CARLOMAGNO G.M. and DE LUCA L.:** “Infrared Thermography in Convective Heat Transfer”, in Handbook of Flow Visualization, Yang W.J. ed., 547-575, Taylor & Francis, New York ISBN 1560324171 (2001)
- 236 - **CARLOMAGNO G.M.:** “On the cooling of some gas turbines components”, Proc. XIX UIT Nat. Cong., P. Tartarini ed., pp 3-8, Modena, Italy (2001)
- 237 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Aerospace Application of Infrared and Thermal Testing” , in P. O. Moore ed., Nondestructive Testing Handbook, Vol 3, Ch. 15, 519-525, American Society for Nondestructive Testing (2001).
- 238 - **VILLACAMPA ESTEVE Y., CARLOMAGNO G.M. and BREBBIA C.A eds.:** Computational Methods and Experimental Measurements X, 1- 1018, WIT Press, Southampton ISBN 1 85312 870 8 (2001).
- 239 - **CARLOMAGNO G.M.:** “Heat Transfer in a Jet in a Cross Flow”, *Opening Lecture*, 10th Int. Conf. on Computational Methods and Experimental Measurements (CMEM 01), Alicante, Spain (2001)
- 240 - **CARLOMAGNO G.M., ASTARITA T. and CARDONE G.:** “Some Particular Aspects of Convective Heat Transfer in Gas Turbines”, *Keynote Lecture*, in K.C. Kim ed., CD-Rom Proc. 6th Asian Symposium on Visualization, paper N. 43, Pusan (2001)
- 241 - **CARLOMAGNO G.M.:** “Convective Heat Transfer and IR Thermography”, Keynote lecture, Int. Symp. On Visualization and Imaging in Transport Phenomena, Antalya, Turkey (2001)
- 242 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Jet Impingement on a Rotating Disk”, CD-Rom Proc. XVI Congresso Nazionale AIDAA, Palermo (2001)
- 243 - **ASTARITA T., CARDONE G, and CARLOMAGNO G.M.:** “On the Cooling of Gas Turbines”, *J. Flow Visualization and Image Processing*, **8**, 287-302 ISSN 1065-3090 (2001)
- 244 - **VICINANZA D., MEOLA C., CARLOMAGNO G.M. and DI NATALE M.:** “Temperature Distribution of a Hot Water Discharge in a Wave Environment”, in Ozhan E. ed., Proc. of the Int. Conf. on the Mediterranean Coastal Environment (MEDCOAST 01), Vol.3, 1177-1188, Hammamet, Tunisia (2001)
- 245 - **CARLOMAGNO G.M.:** “On the Heat Transfer in Gas Turbines”, *Invited Lecture*, 6th Int. Workshop on Advanced Infrared Technology and Applications (AITA 2001), Siena (2001)
- 246 - **CARLOMAGNO G.M., GIORLEO G., MEOLA C. and SQUILLACE A.:** “Application of Lock-in Thermography in the Control of Industrial Materials”, 6th Int. Workshop on Advanced Infrared Technology and Applications (AITA 2001), Siena (2001)
- 247 - **MEOLA C., CARLOMAGNO G.M., GIORLEO G. and SQUILLACE A.:** “Application of Infrared Thermography in the Quality Control of Industrial Materials”, 6th Int. Workshop on Advanced Infrared

- Technology and Applications (AITA2001), Book of abstracts pp. 47-48, Siena (2001)
- 248 - **CARLOMAGNO G.M. and C. MEOLA:** “Infrared Thermography in the Restoration of Cultural Properties”, *Invited lecture*, in A.E. Rozlosnik and R.B. Dinwiddie eds., *Thermosense XXIII*, SPIE Vol. 4360, 203-216 (2001)
- 249 - **CARLOMAGNO G.M.:** "Fluidodinamica", 1-371, Liguori, Napoli ISBN 88 207 3279 3 (2001)
- 250 - **CARLOMAGNO G.M.:** “PIV and Heat Transfer Measurements in a Jet in Cross Flow”, *Invited Lecture*, Proc. SEIKEN Symp. on Particle Image Velocimetry, 1-20, Tokyo (2002)
- 251 - **ASTARITA T., CARDONE G., and CARLOMAGNO G.M.:** “Convective Heat Transfer in Ribbed Channels with a 180° Turn”, *Experiments in Fluids*, **33**, 90-100, ISSN 0723-4864 (2002)
- 252 - **MEOLA C., GIORLEO G., NELE L., SQUILLACE A. and CARLOMAGNO G.M.:** “Infrared Thermography in the Quality Assurance of Manufacturing Systems”, *Nondestructive Testing and Evaluation*, **18**, 83-90 ISSN 1058-9759 (2002).
- 253 - **MEOLA C., CARLOMAGNO G.M., SQUILLACE A. and GIORLEO G.:** “Non-destructive Control of Industrial Materials by means of Lock-in Thermography”, *Measurement Science and Technology*, **13**, 1583-1590 ISSN 1361-6501 (2002).
- 254 - **CARLOMAGNO G.M., NESE F.G., CARDONE G. and ASTARITA T.:** “PIV and Heat Transfer Measurements in a Jet in Cross Flow”, *Invited Lecture*, in Wiecek B. Ee., Proc. V Krajowa Konferencja Termografia i Termometria w Podczerwieni, 165-175, Ustron, Poland ISBN 83-910615-8-2 (2002)
- 255 - **CARDONE G., NESE F. G., ASTARITA T., and CARLOMAGNO G.M.:** “Experimental Investigation of a Round Jet in Cross-Flow”, CD-Rom Proc. of the 10th Int. Symp. Flow Visualization, paper N. F0363, Kyoto, Japan (2002)
- 256 - **CARLOMAGNO G.M., ASTARITA T. and CARDONE G.:** “Heat Transfer in Complex Fluid Flows”, *Invited lecture*, in C. Padet and H. Burkhard eds., Proc. Eurotherm 71 on Visualization, Imaging and Data Analysis in Convective Heat and Mass Transfer, 31-41, Reims (2002)
- 257 - **CARLOMAGNO G.M., ASTARITA T. and CARDONE G.:** “Convective Heat Transfer and Infrared Thermography”, *Annals New York Academy of Science*, **972**, 177-186 ISSN 0077-8923 (2002)
- 258 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Spiral Vortices Detection on a Rotating Disk”, CD-Rom Proc. 23rd Cong. Int. Council Aeronautical Sciences, Paper N. ICAS2002-3.6.4, Toronto (2002)
- 259 - **CARLOMAGNO G.M., NESE F. G., CARDONE G. and ASTARITA T.:** “PIV and Heat Transfer Measurements in a Round Jet in Crossflow”, *Invited lecture*, CD-Rom Proc. of the Japan Korea Computer Graphics Conference 2002, Kanazawa (2002)
- 260 - **CARLOMAGNO G.M., MEOLA C., VICINANZA D. and DI NATALE M.:** “Analysis of Temperature Distribution in a Surface Water Jet by means of Infrared Thermography”, V Quantitative InfraRed Thermography (QIRT'2002), Dubrovnik, Croatia (2002)
- 261 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Spiral Vortices Detection on a Rotating Disk”, V Quantitative InfraRed Thermography (QIRT'2002), Dubrovnik, Croatia (2002)
- 262 - **ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Heat Transfer Measurements in a Sharp 180° Turn with Rib Turbulators, V Quantitative InfraRed Thermography (QIRT'2002), Dubrovnik, Croatia (2002)
- 263 - **MEOLA C., GIORLEO G., NELE L., SQUILLACE A. and CARLOMAGNO G.M.:** “Infrared Thermography in the Quality Assurance of Manufacturing Systems”, *Nondestructive Testing and Evaluation*, **18**, 2, 83-90 ISSN 1058-9759 (2002)
- 264 - **MEOLA C., CARLOMAGNO G.M., SQUILLACE A. and GIORLEO G.,** “Non-destructive Control of Industrial Materials by means of Lock-in Thermography”, *Measurement Science and Technology*, **13**, 10, 1583-1590 ISSN 1361-6501 (2002)
- 265 - **CARLOMAGNO G.M. and MEOLA C.,** “Comparison between Thermographic Techniques for Frescoes NDT”, *NDT&E International*, **35**, 8, 559-565 ISSN 0963-8695 (2002)
- 266 - **ABBOZZO RONCHI L., CARLOMAGNO G.M., CORSI C. and RUTT H.N. eds.:** “Advanced Infrared Technology and Application”, Selected Paper from the 6th International Workshop, *Infrared Physics & Tecnology*, **43**, 3-5, 119-316 ISSN 1350-4495 (2002)
- 267 - **CARLOMAGNO G.M.:** “Convective Heat Transfer in Ribbed Channels with a 180° Turn”, *Invited Lecture*, 7th Int Workshop on Advanced Infrared Technology and Applications (AITA 2003), Pisa (Italy)
- 268 - **CARLOMAGNO G.M. and MEOLA C.:** “The Use of Infrared Thermography for Nondestructive Evaluation of Joints”, 7th Int. Workshop on Advanced Infrared Technology and Applications (AITA 2003), Pisa (Italy)
- 269 - **BREBBIA C.A., CARLOMAGNO G.M. and ANAGNASTOPOULOS P. eds.:** Computational Methods and Experimental Measurements XI, 1-750, WIT Press, Southampton ISBN 1 85312 969 0 (2003)
- 270 - **CARLOMAGNO G.M., NESE F. G., CARDONE G. and ASTARITA T.:** “PIV and Heat Transfer Measurements in a Round Jet in Crossflow”, paper presented at Computational Methods and Experimental Measurements XI, Halkidiki, Greece (2003)
- 271 - **CARLOMAGNO G.M.:** “Heat Transfer in a Jet in a Cross Flow”, *Opening Lecture*, 11th Int. Conf. on Computational Methods and Experimental Measurements (CMEM 03), Halkidiki, Greece (2003)

- 272 - MEOLA C., CARLOMAGNO G.M. and GIORLEO G.: "Using Infrared Thermography to Analyse the Effect of Polymer Surface Modification in Adhesive Joint Applications, *Invited lecture*, Proc. IV Int. Symp. on Polymer Surface Modification, Orlando (2003)
- 273 - DI MAIO R., MEOLA C., CARLOMAGNO G.M. and ROBERTI N.: "Indagini Geofisiche e Termografiche per la Salvaguardia di Beni Architettonici", in D. Slejko ed., *Atti 22° Convegno Nazionale GNGTS*, 369-370, Roma (2003)
- 274 - CARLOMAGNO G.M., DI MAIO R., MEOLA C., ROBERTI N. and CURCIOTTI R.: "Metodologie Geofisiche e Termografiche per la Tutela dei Beni Culturali", *GeoNapoli 2003*, Napoli 25 giugno 2003 CDROM Proceedings
- 275 - MEOLA C., CARLOMAGNO G.M. and GIORLEO L.: "Non-destructive Evaluation of Bonded Structures with Lock-in Thermography", *Journal of Adhesion Science and Technology*, **17**, 9, 1207-1222 ISSN 0169-4243 (2003)
- 276 - MEOLA C., CARLOMAGNO G.M. and GIORLEO L.: "Material Characterization with Lockin Thermography", in A.G. Olabi and M.S.J. Hashmi eds., *Proc. Int. Conf. Advances in Materials and Processing Technologies AMPT 2003*, 1396-1399, Dublin, Ireland (2003).
- 277 - CARLOMAGNO G.M., DI MAIO R., MEOLA C., ROBERTI N. and CURCIOTTI R.: "Metodologie Geofisiche e Termografiche per la Tutela dei Beni Culturali", *Paesaggio Urbano*, Maggioli Ed., n.2 (2003)
- 278 - CARLOMAGNO G.M.: "Infrared Thermography in Complex Fluid Flows", IV Scuola UIT sulla Termofluidodinamica sperimentale e tecniche di misura, CD-Rom Proc., Paper no. SE03-8, Siena (2003).
- 279 - CARLOMAGNO G.M.: "Colours in a Complex Fluid Flow", *Invited Lecture*, Int. Symp. on Colour and Design in the Natural and Engineering Worlds, Linnean Society, London (2003).
- 280 - CARLOMAGNO G.M. and GRANT I. eds.: CD-Rom Proceedings of the 7th Int. Symp. Fluid Control, Measurement and Visualization (FLUCOME '03), Sorrento ISBN 0 9533991 41 (2003).
- 281 - BALAGEAS D., BUSSE G., CARLOMAGNO G.M. and SVAIC S. eds.: Quantitative Infrared Thermography 6 – QIRT'02, ISBN 953 6313 50 2, 1-300, Katalogizacij u publikacij Nacionalna I sveucilisna Knjiznica, Zagreb ISBN 953-6313-50-2 (2003)
- 282 - MEOLA C., BRUZZONE A., GIORLEO G. and CARLOMAGNO G.M.: "Role of Polymer Surface Modification in Adhesively Bonded Joints: Analysis and Testing", *Invited lecture*, Proc. IV Int. Symp. on Polymer Surface Modification, Orlando (2003)
- 283 - MEOLA C., CARLOMAGNO G.M., PRISCO U. and VITIELLO A.: "Non-destructive Control of Polyethylene Blanket Insulation", *Research in Nondestructive Evaluation*, **15**, 2, 55-63 ISSN 0934-9847 (2004).
- 284 - MEOLA C., CARLOMAGNO G.M. and GIORLEO G.: "Using Infrared Thermography to Analyse Substrate and Adhesive Effects in Bonded Structures", *Journal of Adhesion Science and Technology*, **18**, 6, 617-634 ISSN 0169-4243 (2004) (paper included in: *Aerospace & High Technology Database CSA*).
- 285 - CARLOMAGNO G.M.: "The 7th International Symposium on Fluid Control, Measurement and Visualization", *Int. Inf. Center Multiphase Flow Newsletter*, No. 22, 1-3 (2004)
- 286 - MEOLA C. and CARLOMAGNO G.M.: "Recent Advances in the Use of Infrared Thermography", *Review in Measurement Science and Technology*, **15**, R27-R58 ISSN 1361-6501 (2004).
- 287 - MEOLA C., CARLOMAGNO G.M., SQUILLACE A. and GIORLEO G.: "The Use of Infrared Thermography for Nondestructive Evaluation of Joints", *Infrared Physics and Technology*, **46**, 93-99 ISSN 1350-4495 (2004).
- 288 - MEOLA C., CARLOMAGNO G.M. and GIORLEO L.: "The Use of Infrared Thermography for Materials Characterization", *Journal of Materials Processing Technology*, **155-156**, 1132-1137 ISSN 0924-0136 (2004)
- 289 - MEOLA C., CARLOMAGNO G.M. and GIORLEO L.: "Geometrical Limitations to Detection of Defects in Composites by Means of Infrared Thermography", *Journal of Nondestructive Evaluation*, **23**, 4, 125-132 ISSN 0195-9298 (2004).
- 290 - CARLOMAGNO G.M.: "Application of Thermography to Fluids", CD-Rom of the pre-conference course at the 7th Seminar on Quantitative Infrared Thermography (QIRT 04), von Karman Institute, Rhode St-Genese Belgium (2004)
- 291 - CARLOMAGNO G.M., DI MAIO R., MEOLA C. and ROBERTI N.: "Infrared Thermography Combined with Geophysical Techniques for the Cultural Heritage Conservation", 7th Seminar on Quantitative Infrared Thermography (QIRT 04), von Karman Institute, Rhode St-Genese, Belgium (2004)
- 292 - MEOLA C., CARLOMAGNO G.M., SQUILLACE A., PRISCO U. and MORACE R.E.: "Analysis of Composites with Infrared Thermography", *Proc. II International Conference on Times of Polymers (TOP)*, 21-22. Ischia, Italy (2004)
- 293 - MEOLA C., DI MAIO R., ROBERTI N. and CARLOMAGNO G.M.: "Application of Infrared Thermography and Geophysics to the Architectural Field", in *Abs. Book P2.26, ICEFA-I First International Conference on Engineering Failure Analysis*, Lisbon, Portugal (2004)
- 294 - CARDONE G., DEL VECCHIO A. and CARLOMAGNO G.M.: "IR heat fluxes measurements in hypersonic plasma flow", 7th Seminar on Quantitative Infrared Thermography (QIRT 04), D.12.1-4, von Karman

Institute, Rhode St-Genese Belgium (2004)

- 295 - MEOLA C., CARLOMAGNO G.M., SQUILLACE A. and VITIELLO A.:** “Nondestructive Evaluation of Aerospace Materials with Lockin Thermography”, in Abs. Book P2.27, ICEFA-I First International Conference on Engineering Failure Analysis, Lisbon, Portugal (2004)
- 296 - MEOLA C., CARLOMAGNO G.M. and GIORLEO L.:** “On the Use of Infrared thermography for Ships Maintenance”, in A. Micallef, A. Vassallo eds., Proc. of the First International Conference on the Management of Coastal Recreational Resources, Beaches, Yatch Marinas & Coastal Ecoturism, 281-286, Malta. ISBN 99932-650-2-0 (2004)
- 297 - MEOLA C., CARLOMAGNO G.M, VICINANZA D. and DI NATALE M.:** “Infrared Thermography in Coastal Environmental Control”, in A. Micallef, A. Vassallo eds., Proc. of the First International Conference on the Management of Coastal Recreational Resources, Beaches, Yatch Marinas & Coastal Ecoturism, 293-298, Malta. ISBN 99932-650-2-0 (2004)
- 298 - CARLOMAGNO G.M.:** “The Use of Colours in Thermo-fluid-dynamic Studies”, *Invited Lecture*, 11th Int. Symp. on Flow Visualization, Notre Dame IN, USA (2004)
- 299 - CARLOMAGNO G.M., NESE F.G. and ASTARITA T.:** “PIV and Wall Convective Heat Transfer Measurements in a Round Jet in Cross-Flow”, in Proc. 24th Int. Cong. Of the Aeronautical Sciences, Yokohama, Paper N. ICAS2004-6.1.3 (2004)
- 300 - CARLOMAGNO G.M.:** "Fluidodinamica", 1-371, Liguori, Napoli ISBN 88 207 3279 3 (2004)
- 301 - CARLOMAGNO G.M., NESE F. G., CARDONE G. and ASTARITA T.:** “Thermo-fluid-dynamics of a Complex Fluid Flow”, *Infrared Physics & Technology*, **46**, 31-39 ISSN: 1350-4495 (2004)
- 302 - CARLOMAGNO G.M.:** “The 7th International Symposium on Fluid Control, Measurement and Visualization”, *Journal of Visualization*, **7**, 167-170 ISSN 1343-8875 (2004)
- 303 - ASTARITA T., NESE F.G. and CARLOMAGNO G.M.:** “Stereo PIV in un Getto in Crossflow” *Invited Lecture*, II Giornata di Studio su Tecniche Ottiche e Termografiche in Termofluidodinamica, L’Aquila (2005).
- 304 - CARLOMAGNO G.M., DI MAIO R., MEOLA C. and ROBERTI N.:** “Infrared Thermography and Geophysical Techniques in Cultural Heritage Conservation”, *QIRT Journal*, **2**, 1, 5-24 ISSN 1768-6733 (2005)
- 305 - MEOLA C., CARLOMAGNO G.M., SQUILLACE A., PRISCO U. and MORACE R.E.:** “Analysis of Composites with Infrared Thermography”, *Macromolecular Symposia*, **228**, 273-286 ISSN 1521-3900 (2005)
- 306 - MEOLA C., DI MAIO R., ROBERTI N. and CARLOMAGNO G.M.:** “Application of Infrared Thermography and Geophysical Methods for Defect Detection in Architectural Structures”, *Engineering Failure Analysis*, **12**, 875-892 ISSN 1350-6307 (2005) (cited in CSA/ASCE Civil Engineering Abstracts)
- 307 - BREBBIA C.A. and CARLOMAGNO G.M. eds.:** Computational Methods and Experimental Measurements XII, WIT Press, 1-919, Southampton ISBN 1 84564 020 9 (2005).
- 308 - ASTARITA T., NESE F.G. and CARLOMAGNO G.M.:** “ Stereo PIV Measurements on a Round Jet in a Cross Flow”, *Opening Lecture*, 12th Int. Conf. on Computational Methods and Experimental Measurements (CMEM 05), Malta (2005)
- 309 - MEOLA C., CARLOMAGNO G.M. and GIORLEO G.:** “Cross-Linked Polyethylene”, Invited entry, in Encyclopedia of Chemical Processing (ECHP), 577-588, Dekker, New York, ISBN: 0-8247-5563-4 (2005)
- 310 - CARLOMAGNO G.M.:** “Application of Thermography to Fluids”, CD-Rom of the pre-conference course at the 8th Seminar on Quantitative Infrared Thermography (QIRT 06), Padova, Italy (2006)
- 311 - ASTARITA T., CARDONE G. and CARLOMAGNO G.M.:** “Infrared Thermography: An Optical Method in Heat Transfer and Fluid Flow Visualization”, *Optics and Lasers in Engineering*, **44**, 261-281 ISSN 0143-8166 (2006)
- 312 - GIORDANO R., ASTARITA T. and CARLOMAGNO G.M.:** “Correction of Misalignment Errors in Stereoscopic PIV Systems” Proc. XIV A.I.VE.LA. National Meeting. 6-7 Novembre 2006 Roma (Italia). ID:039
- 313 - CARLOMAGNO G.M.:** “Tecniche Numeriche nelle Misure Sperimentali”, in Come alla Corte di Federico II, COINOR, Università degli Studi di Napoli Federico II, 24-26 (2006)
- 314 - MEOLA C., CARLOMAGNO G.M., SQUILLACE A. and VITIELLO A.:** “Nondestructive Evaluation of Aerospace Materials with Lock-in Thermography”, *Engineering Failure Analysis*, **13**, 380-388 ISSN 1350-6307 (2006)
- 315 - CARLOMAGNO G.M.:** “Colours in a Complex Fluid Flow”, *Optics and Laser Technology*, **38**, 230-242 ISSN: 0030-3992 (2006)
- 316 - GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** “Heat Transfer Measurements in Rotating Channel”, Proc. of the 12th Int. Symp. Flow Visualization, Gottingen, paper N. ISFV12- 30.1 (136), (2006)
- 317 - MEOLA C. and CARLOMAGNO G.M.:** “Application of infrared thermography to adhesion science”, Review in *Journal of adhesion Science and Technology*, **20**, 589-632 ISSN 0169-4243 (2006)
- 318 - MEOLA C. and CARLOMAGNO G.M.:** “Intensive Cooling of Large Surfaces with Arrays of Jets”, QIRT 2006, CD Rom 064, Padova, (2006)
- 319 - GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** “Heat Transfer Measurements in Rotating Channel”, 8th International Conference on Quantitative InfraRed Thermography (QIRT 06), Padova, (2006).

- 320 - **CARLOMAGNO G.M.:** "Heat Flux Sensors and Infrared Thermography", *Journal of Visualization*, **10**, 11-16 ISSN 1343-8875 (2007)
- 321 - **MEOLA C., CARLOMAGNO G.M., DI FOGGIA M. and NATALE O.:** "NDE of Gas Turbines Blades with Infrared Thermography", in M. Strojnik ed., Proc. AITA 2007, Leon, Mexico, 353-359 ISBN 978-0-9796716-1-6 (2007)
- 322 - **MEOLA C., CARLOMAGNO G.M., DI FOGGIA M. and NATALE O.:** "La termografia All'infrarosso nel Controllo Non Distruttivo di Palettature di Turbina", Atti (CD) del *IV Simposio sulle Tecnologie Avanzate – Nuovi Orizzonti Teorici e Applicativi*, Roma 21/22 Giugno 2007
- 323 - **GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** "PIV Measurements for the Characterization of the Flow Field in a Rotating U Channel", Proc. 9th International Symposium on Fluid Control, Measurement and Visualization (FLUCOME 2007), Tallahassee, Florida (2007)
- 324 - **CARLOMAGNO G.M.:** "Application of Thermography to Thermo-Fluid_Dynamics", CD-Rom of the pre-conference course at the 8th AITA 2007, Leon, Mexico (2007)
- 325 - **GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** "Heat Transfer Measurements in a Rotating Two-Pass Square Channel", *Quantitative InfraRed Thermography Journal*, **4**, 41-62, ISSN 1768-6733 (2007)
- 326 - **BREBBIA C.A. and CARLOMAGNO G.M. eds.:** Computational Methods and Experimental Measurements XIII, WIT Press, Southampton, 1-905 ISBN 978-1-84564-084-2 (2007)
- 327 - **GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** "Characterization of the Flow Field in a Rotating Two-Pass Square Channel", XIX Congresso Nazionale AIDAA, Forlì (2007)
- 328 - **GIORDANO R., ASTARITA T. and CARLOMAGNO G.M.:** "Vortex Shedding in the Near Wake of a Finite Cylinder" Proc 14th Int Symp on Applications of Laser Techniques to Fluid Mechanics Lisbon, Portugal, CD Rom (2007).
- 329 - **MEOLA C. and CARLOMAGNO G.M.:** "La Termografia All'infrarosso nella Manutenzione Predittiva in Architettura", *Recuperare l'edilizia*, **54**, 68-70 (2008)
- 330 - **GIORDANO R., ASTARITA T. and CARLOMAGNO G.M.:** "Periodic Structures and Turbulence Properties in the Wake of a Finite Cylinder", Proc. of the 13th Int. Symp. Flow Visualization, Nice, CD Rom (2008)
- 331 - **GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** "Experimental Analysis of the Flow Field in a Rotating U Channel", Proc. of the 13th Int. Symp. Flow Visualization, Nice, CD Rom (2008).
- 332 - **GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** "Experimental analysis of the flow field in a rotating "u" channel", Proc. 26th International Congress of the Aeronautical Sciences, Anchorage, CD Rom (2008). DOI: 10.13140/2.1.4459.4885
- 333 - **GIORDANO R., ASTARITA T. and CARLOMAGNO G.M.:** "Modulation Transfer Function of Stereo Particle Image Velocimetry Technique", Proc. 6th International Congress of the Aeronautical Sciences, CD Rom Anchorage, (2008). DOI: 10.13140/2.1.3673.0567
- 334 - **MEOLA C., CARLOMAGNO G.M., DI FOGGIA M. and NATALE O.:** "Infrared Thermography to Detect Residual Ceramic in Gas Turbine Blades", *Applied Physics A – Material Science and Processing*, **91**, 685-691 ISSN 0947-8346 (2008)
- 335 - **CARLOMAGNO G.M.:** "Applicazioni Civili e Industriali della Termografia IR", Giornata di studio AIPnD, Padova, 1 Ottobre 2008
- 336 - **MEOLA C., CARLOMAGNO G.M., VALENTINO M. and BONAVOLONTÀ C.:** "Non Destructive Evaluation of Impact Damage in CFRP with Infrared Thermography and SQUID", paper n. 42 CD Rom, Proc. 2nd Int. Conference on Buckling and Postbuckling Behaviour of Composite Laminated Shell Structures, Braunschweig, Germany (2008).
- 337 - **CAROSI A., POCCI D. and CARLOMAGNO G.M.:** "Product/Process Developed by Modeling Techniques: Some Case Studies", CD-Rom Proc. Workshop on Innovative Technologies and Materials for Investment Casting: New Opportunities for Gas Turbine, University of Naples Federico II, 6 november (2008)
- 338 - **CARLOMAGNO G.M.:** "Application of Thermography to Fluids", CD-Rom of the pre-conference course at the 9th Seminar on Quantitative Infrared Thermography (QIRT 08), Krakow, Poland (2008)
- 339 - **ASTARITA T., GIORDANO R. and CARLOMAGNO G.M.:** "Convective Heat Transfer from a Cylinder Mounted on a Plane Wall", Proc. 9th International Conference on Quantitative InfraRed Thermography (QIRT 08), 282-283, Krakow, Poland ISBN 978-83-908655-1-5 (2008)
- 340 - **CARLOMAGNO G.M.:** "Colours in a Complex Fluid Flow", in Mathematical Physics Models and Engineering Sciences, 127-150, Renno P. ed., Liguori, Napoli, ISBN: 978-88-207-4057-3 (2008)
- 341 - **CARLOMAGNO G.M.:** "Elementi di gasdinamica", 1-475, Liguori, Napoli ISBN-13 978-88-207-4663-6 (2009)
- 342 - **BREBBIA C.A. and CARLOMAGNO G.M. eds.:** Computational Methods and Experimental Measurements XIV, 1-647, WIT Press, Southampton ISBN 978-1-84564-299-0 (2009)
- 343 - **MEOLA C., CARLOMAGNO G.M., LOPRESTO V. and CAPRINO G.:** Impact Damage Evaluation in Composites with Infrared Thermography, 3rd European Conference for Aerospace Science EUCASS, Versailles (France) 6-9 July, 2009.

- 344 - MEOLA C., CARLOMAGNO G.M., ANNICCHIARICO D., ZARRELLI M. and GIORDANO M.: "Lock-in Thermography to Detect Delamination in CFRP", *3rd European Conference for Aerospace Science EUCASS*, Versailles (France) 6-9 July, 2009.
- 345 - MEOLA C. and CARLOMAGNO G.M.: "Health Monitoring of Composites with Infrared Thermography", in Jorge A.C. Ambrosio, Miguel P.T. Silva eds., *Proc. ESMC2009 7th EUROMECH Solid Mechanics Conference*, Vol.2, pp.625-626, Lisbon (Portugal), ISBN 978.989-96264-2-3 (2009)
- 346 - MEOLA C., CARLOMAGNO G.M., RICCI F., LOPRESTO V. and CAPRINO G.: "Analisi del Comportamento All'impatto di Compositi con Termografia All'infrarosso", *Atti del 13^o Congresso AIPnD Conferenza Nazionale sulle Prove non Distruttive Monitoraggio Diagnostica*, Roma 15-17 Ottobre, 2009, CD-ROM ISBN978-88-89758-04-5, www.ndt.net/search/docs.php3?MainSource=-1&id=8199.
- 347 - MEOLA C. and CARLOMAGNO G.M.: "Infrared Thermography of Impact-driven thermal Effects", *Applied Physics A – Material Science and Processing*, **96**, 759-762 ISSN 0947-8346 (2009)
- 348 - CARLOMAGNO G.M.: "Thermo-Fluid-Dynamic Measurements in a Complex Fluid Flow", Opening speech, *Computational Methods and Experimental Measurements XIV (CMEM 2009)*, Algarve, Portugal (2009)
- 349 - BONA VOLONTÀ C., VALENTINO M., MEOLA C., CARLOMAGNO G.M., VOLPONI R. and ROSCA I. D.: "Non-destructive Testing of a Carbon-nanotube-reinforced Composite Using HTS-SQUID and Electromagnetic Techniques" *Superconductor Science and Technology*, **22** 95001 6pp ISSN 1361-6668 (2009)
- 350 - CARLOMAGNO G.M.: "infrared thermography in the thermo-fluid-dynamics of complex fluid flows" X Advanced Infrared Technology and Applications International Workshop (AITA 2009) Invited Lecture, Firenze (2009)
- 351 - CARLOMAGNO G.M.: "Some Thermographic Measurements in Complex Fluid Flows", *Journal Flow Visualization & Image Processing*, (17)1, 15-40 ISSN 1065-3090 (2010)
- 352 - CARLOMAGNO G.M. and CARDONE G.: Review article, "Infrared Thermography for Convective Heat Transfer Measurements", *Experiments in Fluids*, **49**, 1187–1218, ISSN 0723-4864 (2010)
- 353 - DI MAIO R., FEDI M., MEOLA C. and CARLOMAGNO G.M.: "Integration of Infrared Thermography and High-Frequency Electromagnetic Methods in Archaeological Surveys", European Geoscience Union EGU 2010, Vienna (Austria), *Geophysical Research Abstracts*, ISSN 1607-7962 (2010)
- 354 - MEOLA C. and CARLOMAGNO G.M.: "Infrared Thermography in Non-Destructive Inspection: Theory and Practice" in C. Meola ed., *Recent Advances in Non Destructive Inspection*, Ch. 4, 89-123, Nova Science Publisher Inc. ISBN 978-1-61668-550-8 (2010)
- 355 - CARLOMAGNO G.M.: "Application of Thermography to Fluids", CD-Rom of the pre-conference course at the 10th Seminar on Quantitative Infrared Thermography (QIRT 10), Quebec City, Canada (2010)
- 356 - IANIRO A., CARDONE G. and CARLOMAGNO G.M.: "IR Wall Heat Transfer in Swirling Impinging Jets", QIRT 2010, 27-30 July 2010, Quebec City-Canada (2010)
- 357 - GALLO M., ASTARITA T. and CARLOMAGNO G.M.: "Heat Transfer Measurements in a Rotating Two Pass Square Channel", QIRT 2010, 27-30 July 2010, Quebec City-Canada (2010)
- 358 - CARLOMAGNO G.M., DISCETTI S. and ASTARITA T.: "Experimental assessment of a new technique for measuring heat transfer coefficients", 10th International Conference on Quantitative InfraRed Thermography, 1-10, July 27-30, 2010, Quebec City, Canada (2010)
- 359 - MEOLA C., CARLOMAGNO G.M., ANNICCHIARICO D., GIORDANO M. and ZARRELLI M.: "Detection of Delamination in CFRP with Lock-in Thermography", *3 Proceedings of the Institution of Mechanical Engineers, Part G, Journal of Aerospace Engineering*, **224**, 1219-1227 (2010)
- 360 - MEOLA C. and CARLOMAGNO G.M.: "Infrared Thermography in Health Monitoring of CFRP for Aeronautical Applications", *Aerotecnica The Journal of Aerospace Science Technology and Systems*, **89**, n.4, 179-186, ISSN 0365-7442 (2010)
- 361 - MEOLA C. and CARLOMAGNO G.M.: "Impact Damage in GFRP: New Insights with Infrared Thermography", *Composite Part A*, **41**, 1839-1847 ISSN 1359- Methods 835X (2010)
- 362 - MEOLA C. and CARLOMAGNO G.M.: "The Role of Infrared Thermography in NDT" in Proc. of *NDTMS 2011 Istanbul* 15-18 may 2011, (O. Büyüköztürk, M. A. Taşdemir, O. Güneş, Y. Akkaya Editors) Part I, pp. 91-96, RILEM Bookseries vol.6, Springer
- 363 - IANIRO A., ASTARITA T. and CARLOMAGNO G.M.: "Heat Transfer on the Base Surface of a Finite Circular Cylinder in Crossflow", *Proc. ASME-ATI-UIT 2010 Conference on Thermal and Environmental Issues in Energy Systems*, 1045-1050, 16 – 19 May, 2010, Sorrento, Italy, ISBN 9788846726599 (2010)
- 364 - CARLOMAGNO G.M., DISCETTI S. and ASTARITA T.: "A Novel Technique for Measuring Convective Heat Transfer Coefficients", *Proc. ASME-ATI-UIT 2010 Conference on Thermal and Environmental Issues in Energy Systems*, 1001-1006, 16 – 19 May, 2010, Sorrento, Italy, ISBN 9788846726599 (2010)
- 365 - ABBOZZO RONCHI L., CARLOMAGNO G.M., CORSI C., GRINZATO E., PIPPI I. and SALVETTI O. eds., "Advanced Infrared Technology and Applications" Selected Papers from the 10th International Workshop, *J Modern Optics*, **57**, 18, 1661-1830 ISSN 0950-0340 (2010)
- 366 - CARLOMAGNO G.M.: "Ricordo di Filippo Manna", *Atti Accademia Pontaniana*, LIX, 17-19 (2010)

- 367 - **IANIRO A., CARDONE G. and CARLOMAGNO G.M.:** “Convective heat transfer in swirling impinging jets”, Proc. 5th International Conference on Vortex Flow and Vortex Methods, 8-10 November 2010, San Leucio - (CE) Italy, pap. No. 29, 8 pp, ISBN 9788890521867 (2010) DOI: 10.13140/2.1.4713.4404
- 368 - **TOSCANO C., MEOLA C., IORIO M. and CARLOMAGNO G.M.:** “Ultrasound and Lock-in Thermography in the characterization of CFRP for varying curing autoclave pressure”, AMPT2011 Istanbul, Turkey, (2011)
- 369 - **MEOLA C. and CARLOMAGNO G.M.:** “The Role of Infrared Thermography” in Proc. of NDTMS 2011 Istanbul 15-18 may 2011, (O. Büyüköztörk, M. A. Taşdemir, O. Guneş, Y. Akkaya Editors) Part I, pp. 91-96, RILEM Bookseries vol.6, Springer.
- 370 - **CARLOMAGNO G.M.:** “Thermofluidynamics of a Rotating U Channel”, Invited Lecture, AITA2011, L’Aquila, 7-9 September 2011
- 371 - **TOSCANO C., MEOLA C., IORIO M. and CARLOMAGNO G.M.:** “Porosity and inclusion detection in CFRP by infrared thermography”, AITA2011, L’Aquila, 7-9 September 2011
- 372 - **MEOLA C. and CARLOMAGNO G.M.:** “Monitoring composites under bending tests with infrared thermography”, AITA2011, L’Aquila, 7-9 September 2011
- 373 - **BONAVOLONTÀ C., VALENTINO M., MEOLA C., CARLOMAGNO G.M., VOLPONI R., CANTONI S.,:** “NDT of Polymer Nanocomposite For Structural Applications Using Electromagnetic Techniques” ISEM 2011 - 15th International Symposium on Applied Electromagnetics and Mechanics, Napoli, 6-9 September 2011.
- 374 - **CARLOMAGNO G.M., DI MAIO R., FEDI M., MEOLA C.:** “Integration of infrared thermography and high-frequency electromagnetic methods in archaeological surveys”, *J. Geophysics Engineering*, **8**, S93-S105 ISSN 1742-2132 (2011)
- 375 - **CARLOMAGNO G.M.:** “Flow Field and Heat Transfer in a Rotating U Channel”, Opening lecture, Computational Methods and Experimental Measurements XV (CMEM 2011), Lindhurst, UK (2011)
- 376 - **CARLOMAGNO G.M., DISCETTI S. and ASTARITA T.:** “Experimental Assesment of a New Heat Flux Sensor for Measuring Convective Heat Transfer Coefficients”, *QIRT J*, **8** (1), 37-49 (2011)
- 377 - **CARLOMAGNO G.M. and BREBBIA C.A. eds.:** Computational Methods and Experimental Measurements XV, 1-711, WIT Transactions, Southampton ISBN 978-1-84564-540-3 (2011)
- 378 - **CARLOMAGNO G.M., MEOLA C. and RICCI F.:** “Infrared Thermography and Piezoelectric Patches for Impact Damage Detection in Composite Structures”, IWSHM 2011 - International Workshop on Structural Health Monitoring 2011, Stanford University, Stanford, CA, September 13-15, 2011, DEStech Publications inc. pp. 216-223, ISBN 9781605950532
- 379 - **CARLOMAGNO G.M., CARRINO L., DURANTE M., FRANCHITTI S. and MEOLA C.:** “Density Evaluation in Metal Foams with Lock-in Lhermography”, in Proc. X Congresso Nazionale AITEM, 1-10, ISBN 9788890606106 (2011)
- 380 - **CARLOMAGNO G.M.:** “infrared Thermography in Aeronautics”, 3rd International Conference of the European Aerospace Societies (CEAS)/XXI Italian Association of Aeronautics and Astronautic Congress (AIDAA), Venice, 24-28 October 2011 (2011)
- 381 - **MEOLA C., CARLOMAGNO G.M., RICCI F., LOPRESTO V. and CAPRINO G.:** “Investigation of Impact Damage in Composites with Infrared Thermography”, In P. Mazal ed., 6th NDT in Progress, 175-182, Prague, Czech Republic, (2011) ISBN 9788021443396
- 382 - **CARLOMAGNO G.M., CARRINO L., DURANTE M., FRANCHITTI S. and MEOLA C.:** “Density evaluation in metal foams with lock-in thermography”, Atti X Cong. Naz. AITEM, Napoli, 12-14 settembre 2011
- 383 - **MEOLA C., CARLOMAGNO G.M. and RICCI F.:** “Monitoring of impact damage in Carbon Fibre Reinforced Polymers”, Proc. 11th Quantitative Infrared Thermography (QIRT 2012-374), G. Cardone ed., eISBN 9 788890 648441, (2012)
- 384 - **GIORDANO R., IANIRO A., ASTARITA T. and CARLOMAGNO G.M.:** “Flow Field and Heat Transfer on the Base Surface of a Finite Circular Cylinder in Crossflow”, *Applied Thermal Eng.*, **49**, 79-88, ISSN: 1359-4311, doi: 10.1016/j.applthermaleng.2011.10.029 (2012)
- 385 - **IMBRIALE M., CARAMIELLO C., CARDONE G. and CARLOMAGNO G.M.:** “IR Thermography Analysis for Ceramic Thermo-physical Properties Evaluation”, Proc. 11th Quantitative Infrared Thermography (QIRT 2012-351), G. Cardone ed., eISBN 9 788890 648441, (2012)
- 386 - **GALLO M., ASTARITA T. and CARLOMAGNO G.M.:** “Thermo-fluid-dynamic analysis of the flow in a rotating channel with a sharp “U” turn”, *Experiments in Fluids*, **53**, 201-219, ISSN 0723-4864 (2012)
- 387 - **CARLOMAGNO G.M.:** “An Overview on IR Thermography for Thermo-Fluid-Dynamics” in Meola C. ed., Infrared Thermography: Recent Advances and Future Trends, Chap 6, 134-164, Bentham Science Publishers (2012) eISBN 978-1-60805-143-4
- 388 - **TOSCANO C., MEOLA C., IORIO M. and CARLOMAGNO G.M.:** “Porosity and inclusion detection in CFRP by infrared thermography”, *Advances in Optical Technologies*, Vol. **2012**, Article ID 765953, 6 pages (2012) doi:10.1155/2012/765953 (2012)

- 389 - **BONAVOLONTÀ C., VALENTINO M., MEOLA C. and CARLOMAGNO G.M.:** “NDT of Polymer Nanocomposite for Structural Applications Using Electromagnetic Techniques”, *J. of Applied Electromagnetics and Mechanics*, **39**, 363-368 (2012) 1 DOI 10.3233/JAE-2012-1483, IOS Press, ISSN1383-5416
- 390 - **CARLOMAGNO G.M.:** “Infrared Thermography for Complex Fluid Flows”, *InfraR&D Proc.*, **7**, 8-19, Hanover, Germany (2012)
- 391 - **CEGLIA G., DISCETTI S., ASTARITA T. and CARLOMAGNO G.M.:** “On the Coherent Structures Motion in Horizontal Convection”, *Proc. 15th International Symposium on Flow visualization*, 1-8, Minsk, Belarus (2012)
- 392 - **MEOLA C., CARLOMAGNO G.M., BONAVOLONTÀ C. and VALENTINO M.:** “Monitoring Composites under Bending Tests with Infrared Thermography”, *Advances in Optical Technologies*, Vol. **2012**, Art. ID 720813, 7 pages, (2012) doi:10.1155/2012/720813
- 393 - **CARLOMAGNO G.M.:** “Infrared Thermography In Thermo-Fluid-Dynamics” XX Convegno Nazionale A.I.VE.LA., December 19-20 (2012) INSEAN, Rome, Italy
- 394 - **GALLORO G., MAGNO L., RUGGIERO S., IOVINO P., FORMISANO C., CORTESE L., FUSCO F., MEOLA C. and CARLOMAGNO G.M.:** “Comparison Between Tungsten and Steel Polypectomy Snares: Evaluation of Depth of Colonic Thermal Wall Injury in a Pig Model”, *Endoscopy*, **45**, 121-126 (2013)
- 395 - **CARLOMAGNO G.M. and MEOLA C.:** “Infrared thermography in materials inspection and thermo-fluid-dynamics”, *Int. J. Computational Mechanics and Experimental Measurements*, Vol. 1 (2), 173-197 (2013)
- 396 - **TOSCANO C., MEOLA C. and CARLOMAGNO G.M.:** “Porosity distribution in composite structures with infrared thermography”, *Journal of Composites*, vol. **2013**, 1-8 (2013)
- 397 - **TOSCANO C., MEOLA C., BOCCARDI S., DE FALCO F., GRASSO V. and CARLOMAGNO G.M.:** “Carlomagno Infrared thermography to detect delamination and porosity in carbon/epoxy”, *Proc. 9th International Conference on Composite Science and Technology (ICCST/9)*, pp. 842-851, Sorrento, Italy, April 24-26 (2013) ISBN-13: 9781605951133
- 398 - **CARLOMAGNO G.M.:** “Aerospace and Infrared Thermography”, Keynote lecture, XX Italian Association of Aeronautics and Astronautic Congress (AIDAA), Naples, 09-12 September 2013 (2013)
- 399 - **TOSCANO C., MEOLA C. and CARLOMAGNO G.M.:** “A comparison between ultrasonic testing and Lockin thermography in nondestructive evaluation of porous CFRP plates”, *Proc. 9th International Conference on Composite Science and Technology (ICCST/9)*, Sorrento, Italy, April 24-26 (2013) ISBN-13: 9781605951133
- 400 - **MEOLA C., GRASSO V., TOSCANO C. and CARLOMAGNO G.M.:** “Nondestructive evaluation of fiber reinforced polymers with lockin thermography”, accepted for oral presentation at the Society for Experimental Mechanics (SEM) Conference, Chicago, June 3-6 (2013)
- 401 - **MEOLA C. and CARLOMAGNO G.M.:** “Monitoring materials under impact with infrared thermography”, in *Proc. of the Society for Experimental Mechanics Residual Stress*, in *Thermomechanics & Infrared Imaging, Hybrid Techniques and Inverse Problems*, M. Rossi et al. eds., Volume 8, DOI 10.1007/978-3-319-00876-9_22, Chicago, June 3-6, 2013
- 402 - **MEOLA C., GRASSO V., TOSCANO C. and CARLOMAGNO G. M.:** “Nondestructive evaluation of fiber reinforced polymers with lockin thermography”, in *Proc. of the Society for Experimental Mechanics Residual Stress, Thermomechanics & Infrared Imaging, Hybrid Techniques and Inverse Problems*, M. Rossi et al. eds., Volume 8, Chap.25, pp. 207- 213, Conference Series, DOI 10.1007/978-3-319-00876-9_25, Chicago, June 3-6, 2013
- 403 - **CARLOMAGNO G.M., BREBBIA C.A. and HERNANDEZ S. eds.:** “Computational Methods and Experimental Measurements XVI”, p 478, WIT Transactions, Southampton, ISBN 978-1-84564-732-2 (2013)
- 404 - **MEOLA C. and CARLOMAGNO G.M.:** “Non-destructive evaluation (NDE) of aerospace composites: detecting impact damage using infrared (IR) thermography”, (inv. Chap.) in: Karbhari V. M. ed., *Non-destructive evaluation (NDE) of polymer matrix composites*, **14**, 267-396 (2013) Woodhead Publishing, Cambridge, UK, ISBN 0 85709 344 4, ISBN-13: 978 0 85709 344 8
- 405 - **ASTARITA T. and CARLOMAGNO G.M.:** “Infrared Thermography for Thermo-Fluid-Dynamics”, Springer-Verlag, Berlin-Heidelberg, ISBN 978-3-642-29507-2 (2013)
- 406 - **CARLOMAGNO G.M. and MEOLA C.:** “Impact Tests of Glass/Epoxy with IRThermography”, *Invited Lecture*, in: *Int. Sci. Conf. Infrared Thermography and Termometry, Metrological Assurance of Measurement and Testing*, Wiecek B. ed., 21-27, Lviv Polytechnic, Ukraine (2013)
- 407 - **MEOLA C. and CARLOMAGNO G.M.:** “Infrared thermography to evaluate impact damage in glass/epoxy with manufacturing defects”, *Int. J. Impact Eng.*, **67**, 1-11 (2014) DOI 10.1016/j.ijimpeng.2013.12.010
- 408 - **CARLOMAGNO G.M. and IANIRO A.:** “Thermo-Fluid-Dynamics of Submerged Jets Impinging at Short Nozzle-To-Plate Distance: A Review”, *Exp. Therm. Fluid Sci.*, **58**, 15-35 (2014) <http://dx.doi.org/10.1016/j.expthermflusci.2014.06.010>
- 409 - **CARLOMAGNO G.M., DE LUCA I., CARDONE G., and ASTARITA T.:** “Heat Flux Sensors for Infrared Thermography in Convective Heat Transfer”, *Sensors*, **14**, 21065-21116 (2014) DOI: 10.3390/s141121065

- 410 - MEOLA C. and CARLOMAGNO G.M.:** “Lock-in Thermography to detect delamination in Carbon Fibers Reinforced Polymers”, (inv. Chap.) Chap 13 in: *Damage growth in aerospace composites*, (A. Riccio Ed.), 2014
- 411 - MEOLA C., BOCCARDI S., BOFFA N.D., RICCI F. and CARLOMAGNO G.M.:** “Infrared thermography to evaluate impact damaging of composites”, Proc. of ECCM16 Seville (Spain) 22-26 June 2014, Paper 0318, Program book: ISBN-10: 84-616-9798-7 and ISBN-13: 978-84-616-9798-4.
- 412 - CARLOMAGNO G.M., MEOLA C., RUSSO P. and SIMEOLI G.:** “Infrared thermography to evaluate impact damaging of thermoplastic composites”, Proc. QIRT 2014, 1-8, Bordeaux, France, 7-11 July 2014.
- 413 - BOCCARDI S., CARLOMAGNO G.M., BONAVOLONTÀ C., VALENTINO M. and MEOLA C.:** “Infrared thermography to monitor Glare® under cyclic bending tests with correction of camera noise”, Proc. QIRT 2014, Bordeaux, France, 7-11 July 2014.
- 414 - MEOLA C., CARLOMAGNO G.M., BOCCARDI S., SIMEOLI G., ACIERNO D. and RUSSO P.:** “Infrared Thermography to Monitor Thermoplastic-matrix Composites Under Load”, Proc. 11th ECNDT, Prague, Czech Republic, 6-10 October 2014, ISBN 978-80-214-5018-9.
- 415 - MEOLA C., BOCCARDI S., BOFFA N.D., DI PALMA M., MAIO L. and CARLOMAGNO G.M.:** “Impact Damaging of Carbon Fibre-reinforced Composites: a Comparison between Infrared Thermography and Ultrasonics, Proc. 11th ECNDT, Prague, Czech Republic, 6-10 October 2014, ISBN 978-80-214-5018-9.
- 416 - MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D., MONACO E. and RICCI F.:** “Nondestructive evaluation of carbon fibre reinforced composites with infrared thermography and ultrasonics”, *Composite Structures*, **134**, 845–853, 2015
- 417 - BOCCARDI S., MEOLA C., CARLOMAGNO G.M., SIMEOLI G., ACIERNO D. IANNACE S., SORRENTINO L and RUSSO P.:** “Impact damaging of polypropylene-glass composites” COMAT 2015, 7-8 May 2015, Buenos Aires, Argentina (2015)
- 418 - MEOLA C., BOCCARDI S., CARLOMAGNO G.M.:** “Measurement of very small temperature variations with LWIR QWIP infrared camera”, *Infrared Physics & Technology*, **72**, 195–203, 2015
- 419 - MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D. and RICCI F.:** “Infrared thermography to evaluate carbon/epoxy composites” *Frontiers in Polymer Science*, Riva del Garda, 20-22 May 2015 (2015)
- 420 - MEOLA C., BOCCARDI S., CARLOMAGNO G.M., SIMEOLI G. and RUSSO P.:** “Characterization of PLA/jute composites with infrared thermography”, *Frontiers in Polymer Science*, Riva del Garda, 20-22 May 2015 (2015).
- 421 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., SIMEOLI G., ACIERNO D., IANNACE S., SORRENTINO L and RUSSO P.:** “Lock-In Thermography for Investigation of Impact Damage in Hybrid Polypropylene/Glass Composites” in Proc. 2nd IEEE International Workshop on Metrology for AeroSpace, Benevento 4-5 June, 2015 (Award for the Best Paper on Non Destructive Testing and Evaluation for Aerospace).
- 422 - BOCCARDI S., CARLOMAGNO G.M. and MEOLA C.:** “Measurements with a QWIP infrared camera: signal treatment and noise correction”, Proc. AITA 2015, 1-4, Pisa 2015
- 423 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., SIMEOLI G., ACIERNO D. and RUSSO P.:** “Infrared thermography to evaluate thermoplastic composites under bending load”, 18th International Conference on Composite Structures, Lisbon, Portugal, 15-18 June 2015 (2015)
- 424 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., SIMEOLI G., RUSSO P.:** “Infrared thermography to evaluate thermoplastic composites under bending load”, *Composite structures*, **134**, 900-904, 2015
- 425 - MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D. and RICCI F.:** “Nondestructive evaluation of carbon fibre reinforced composites with infrared thermography and ultrasonics”, 18th International Conference on Composite Structures, Lisbon, Portugal, 15-18 June 2015 (2015)
- 426 - TAHERI-GARAVAND A., AHMADI H., OMID M., MOHTASEBI S.S., MOLLAZADE K., RUSSELL SMITH A.J. and CARLOMAGNO G.M.:** “An intelligent approach for cooling radiator fault diagnosis based on infrared thermal image processing technique”, *Applied Thermal Eng.*, **87**, 434-443 (2015)
- 427 - MEOLA C. and CARLOMAGNO G.M.:** “Lock-in Thermography to Detect Delamination in Carbon Fibres Reinforced Polymers”, in *Damage Growth in Aerospace Composites*, Riccio A. ed., Springer-Verlag, Berlin-Heidelberg, p 263-279, ISBN 978-3-319-04004-2 (2015)
- 428 - BOCCARDI S., BOFFA N.D., CARLOMAGNO G.M., MAIO L., MEOLA C., RICCI F.:** “Infrared thermography and ultrasonics to evaluate composite materials for aeronautical applications”, *Journal of Physics: Conference Series* 658, 1-7 (2015)
- 429 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., RUSSO P. and SIMEOLI G.:** “Monitoring impact damaging of thermoplastic composites”, *Journal of Physics: Conference Series* 658, 1-6 (2015)
- 430 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., SIMEOLI G., ACIERNO D., IANNACE S., SORRENTINO L and RUSSO P.:** “Lock-In Thermography (LT) for Investigation of Impact Damage in Hybrid Polypropylene/Glass Composite LT to Hybrid Thermoplastic Composites, *IEEE Aerospace and Electronic Systems Magazine*, **31**, 26-31, February 2016

- 431 - **BALAGEAS D., MALDAGUE X., BURLEIGH D., VAVILOV V. P., OSWALD-TRANTA B., ROCHE J.-M, PRADERE C. and CARLOMAGNO G. M.:** “Thermal (IR) and Other NDT Techniques for Improved Material Inspection”, *Journal of Nondestructive Evaluation*, 35:18, March 2016
- 432 - **MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D., RICCI F., SIMEOLI G., and RUSSO P.:** “La termografia all'infrarosso nella caratterizzazione dei materiali compositi / Characterization with infrared thermography”, *Compositi Magazine* n. 39, pp. 25- 29 marzo 2016.
- 433 - **BOCCARDI S., MEOLA C., CARLOMAGNO G.M., SORRENTINO L, SIMEOLI G. and RUSSO P.:** “Effects of interface strenght gradation on impact damage mechanisms in polypropylene woven glass fabric composites”, *Composites Part B*, **90**, 179-187, 2016
- 434 - **BOCCARDI S., CARLOMAGNO G.M., SIMEOLI G., RUSSO P. and MEOLA C.:** “Evaluation of impact-AITATechnology, 27(7):075602, July 2016
- 435 - **BOCCARDI S., CARLOMAGNO G.M., MEOLA C., SIMEOLI G. and RUSSO P. :** “Visualization of Thermal Effects in Polypropylene-Based Composites under Cyclic Bending Tests”, *Procedia Engineering*, 167, 270 – 275, 2016
- 436 - **MEOLA C., BOCCARDI S., CARLOMAGNO G.M., SIMEOLI G. and RUSSO P.:** “Learning More on Thermoplastic Composites with Infrared Thermography”, in Proc. 19th WCNDT World Conference on Non-Destructive Testing 2016, 13-17 June 2016, Munich Germany, 2016, 8p.
- 437 - **MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D., MONACO E. and RICCI F.:**” Experimental Investigation of Impact Damaging of Carbon Fibre Reinforced Composites”, in Proc. 19th WCNDT World Conference on Non-Destructive Testing 2016, 13-17 June 2016, Munich Germany, 2016, 8p.
- 438 - **MEOLA C., BOCCARDI S., PETRONE G., BOFFA N.D., RICCI F. and CARLOMAGNO G.M. :** “Infrared thermography to an aluminium foam sandwich structure subjected to low velocity impact tests”, *Procedia Engineering*, 167, 23-29, 2016
- 439 - **BOCCARDI S., BOFFA N.D., CARLOMAGNO G.M., MEOLA C. and RICCI F.:**” Visualization of Impact Damaging of Carbon/Epoxy Panels”, in Proc. The 8th Conference on Times of Polymers (TOP) & Composites 19-23 June 2016 Ischia, Italy.
- 440 - **BOCCARDI S., MEOLA C., CARLOMAGNO G.M., SIMEOLI G., ACIERNO D. and RUSSO P.:**”Monitoring Thermoplastic Composites Under Cyclic Bending Tests”, in Proc. The 8th Conference on Times of Polymers (TOP) & Composites 19-23 June 2016 Ischia, Italy.
- 441 - **MEOLA C., BOCCARDI S. and CARLOMAGNO G.M.:** “An Excursus on Infrared Thermography Imaging”, *J. Imaging*, 2, **36**, 1-16, 2016
- 442 - **RUSSO P., BOCCARDI S., CARLOMAGNO G.M., SIMEOLI G. and MEOLA C.:** “PLA/Jute composite laminates: mechanical tests and infrared thermography (invited), 14th International Symposium on Bioplastics, Biocomposites and Biorefining ISBB, Guelph, Canada, 31 May - 3 June 2016.
- 443 - **MEOLA C., BOCCARDI S. and CARLOMAGNO G.M.** “Infrared Thermography in the Evaluation of Aerospace Composite Materials, Infrared Thermography to Composites”, p. 180, Woodhead Publishing, Elsevier, ISBN 9781782421719, October 2016
- 444 - **MEOLA C., BOCCARDI S., BOFFA N.D., MONACO G., PETRONE G., RICCI F. and CARLOMAGNO G.M. :**”Learning more on impact damaging of composites with infrared thermography”, in Proc. ICILSM 2016, Torino, 22-26 May 2016
- 445 - **MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D., MONACO E. and RICCI F.:** “Применение инфракрасной термографии для оценки ударных повреждений в армированных углепластикеах”, *NDT World*, 3, **19**, 22-26, 2016 (in Russian)
- 446 - **VILA C. S., DISCETTI S., CARLOMAGNO G. M., ASTARITA T. and IANIRO A.:** “On the onset of horizontal convection”, *Int. J. Thermal Sciences*, **110**, 96-108 (2016)
- 447 - **BOCCARDI S., CARLOMAGNO G.M. and MEOLA C.:** “Basic temperature correction of QWIP cameras in thermoelastic/plastic tests of composite mater”, *Appl. Optics*, 34, **55**, D87-94, 2016
- 448 - **BOCCARDI S., CARLOMAGNO G.M. and MEOLA C.:** “Remote Sensing of Temperature-Stress Coupled Effects”, in Proc. IARIA ALL SENSORS 2016, pp.59-63, Venezia, 24-28 April 2016.
- 449 - **BOCCARDI S., CARLOMAGNO G.M., and MEOLA C.:** “Post-processing of time-sequences acquired during impact tests with the aid of a reference area”, Proc. QIRT 2016, QIRT-2016-010, Dansk, Poland, pp. 126-134, 4-8 July 2016
- 450 - **BOCCARDI S., MEOLA C., CARLOMAGNO G.M., SIMEOLI G., ACIERNO D. and RUSSO P.:**”Investigation of PLA/Jute Composites with Infrared Thermography” 2nd International Conference on Mechanics of Composites 11-14 July 2016 Porto, Portugal.
- 451 - **MEOLA C., BOCCARDI S., CARLOMAGNO G.M., ACIERNO D., SIMEOLI G. and RUSSO P.:**”Evaluation of thermoplastic composites under bending tests”, 19th ICCS19 International Conference on Composite Structures, 5-9 September 2016, Porto Portugal.

- 452 - MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D. and RICCI F.: "Assessing damage progression in thermoset composites through visualization of thermal effects under impact", 19th ICCS19 International Conference on Composite Structures, 5-9 September 2016, Porto Portugal.
- 453 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., SIMEOLI G., ACIERNO D. and RUSSO P.: "Visualization of Thermal Effects in Polypropylene-Based Composites Under Cyclic Bending Tests", DRAF2016 "International Symposium on Dynamic Response and Failure of Composite Materials" Island of Ischia, Italy - September 7-9, 2016.
- 454 - MEOLA C., BOCCARDI S., PETRONE G., BOFFA N.D. and CARLOMAGNO G.M. : "Infrared Thermography on an Aluminium Foam Sandwich Structure Subjected to Low Velocity Impact Test", DRAF2016 "International Symposium on Dynamic Response and Failure of Composite Materials" Island of Ischia, Italy - September 7-9, 2016.
- 455 - MEOLA C., BOCCARDI S., BOFFA N.D., RICCI F., SIMEOLI G., RUSSO P. and CARLOMAGNO G.M.: "New perspectives on impact damaging of thermoset and thermoplastic matrix composites from thermographic images", *Composite structures*, **152**, 746–754, 2016
- 456 - BOCCARDI S., CARLOMAGNO G.M and, MEOLA C., "The Added Value of Infrared Thermography in the Measurement of Temperature-stress Coupled Effects", *Sensors & Transducers J*, **201**, 6. 43-51, 2016
- 457 - TAHERI-GARAVAND A., OMID M., AHMADI H., MOHTASEBI S.S. and CARLOMAGNO G.M.: "Intelligent fault diagnosis of cooling radiator based on thermal image processing and artificial intelligence techniques", *Modares Mechanical Engineering*, Vol. 17, No. 2, pp. 240-250, 2017 (in Persian)
- 458 - BOCCARDI S., BOFFA N.D., CARLOMAGNO G., MEOLA C., M. RICCI F., RUSSO P. and SIMEOLI G.: "Infrared thermography to impact damaging of composite materials", SPIE 2017, Portland, Oregon, USA, 25-29 March 2017, Proc. SPIE 10170, Health Monitoring of Structural and Biological Systems 2017, 1017004 (April 5, 2017).
- 459 - BOCCARDI S., CARLOMAGNO G., MEOLA C., RUSSO P. and SIMEOLI G.: "Evaluation of jute based composites with infrared thermography", International Conference on Mechanics of Composites MECOMP3 Bologna 4-7 July 2017.
- 460 - BOCCARDI S., CARLOMAGNO G., MEOLA C., RUSSO P. and SIMEOLI G.: "Monitoring thermoplastic composites under mechanical stresses", International Conference on Composites ICCE25 Roma 16-22 July 2017.
- 461 - BOCCARDI S., CARLOMAGNO G., MEOLA C., RUSSO P. and SIMEOLI G.: "Infrared thermography in the characterization of thermoplastic composites", Danube Vltava Sava Polymer Meeting DVSPM Vienna 5-8 September 2017, Abstract book ISBN 978-3-9504017-6-9.
- 462 - BOCCARDI S., CARLOMAGNO G., MEOLA C., RUSSO P. and SIMEOLI G.: "Monitoring mechanical loading of polylactic acid matrix jute reinforced composites", Salerno 4-7 Settembre 2017, pp. 1934-42, AIMETA 2017 – Proc. XXIII Conference of the Italian Association of Theoretical and Applied Mechanics, Ascione L., Berardi V., Feo L., Fraternali F. and Tralli A.M. (eds.), GECHI EDIZIONI, ISBN: 978-889-42484-7-0.
- 463 - BOCCARDI S., CARLOMAGNO G.M., SIMEOLI G., RUSSO P. and MEOLA C.: "The Role of Polypropylene Matrix in Cyclic Bending Coupled Thermal Effects", *Polymer Engineering and Science*, 1-5, 2017
- 464 - BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D., RICCI F. and MEOLA C.: "Infrared Thermography to Locate Impact Damage in Thin and Thicker Carbon/Epoxy Panels", *Polymer Engineering and Science*, 1-8, 2017
- 465 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., RUSSO P. and SIMEOLI G.: "In-line monitoring of jute fiber-reinforced poly(lactic acid) composite subjected to impact loading using infrared thermography", *J. Appl. Polym. Sci.*, 45579, 1-8, 2017
- 466 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., RUSSO P. and SIMEOLI G.: "Evaluation of polypropylene based composites from thermal effects developing under cyclic bending tests", *Composite Structures*, **182**, 628-635, 2017
- 467 - BOCCARDI S., CARLOMAGNO G.M. and MEOLA C.: "La termografia all'infrarosso nella valutazione della resistenza all'impatto dei materiali compositi" *Il Giornale delle Prove non Distruttive Monitoraggio Diagnostica*, n. 4, pp. 58-63, 2017, ISSN 1721-7075
- 468 - BOCCARDI S., BOFFA N.D., CARLOMAGNO G.M., MEOLA C., RICCI F., SIMEOLI and G., RUSSO P.: "The added value of infrared thermography to assess the impact performance of composites," *Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems*, vol. 1 (2), 8 pages, 2018
- 469 - MEOLA C., BOCCARDI S., CARLOMAGNO G.M., BOFFA N.D., RICCI F., SIMEOLI G. and RUSSO P.: "Impact damaging of composites through online monitoring and non-destructive evaluation with infrared thermography", *NDT&E International*, **85**, 34–42, 2017
- 470 - MEOLA C., BOCCARDI S. and CARLOMAGNO G.M.: "Infrared Thermography for Inline Monitoring of Glass/Epoxy under Impact and Quasi-Static Bending", *Appl. Sci.*, **8**, 301, 2018

- 471 - BOCCARDI S., CARLOMAGNO G.M., MEOLA C., RUSSO P., SIMEOLI G.:** “The contribution of infrared thermography in the characterization of jute based composites”, *Composite Structures*, **190**, 119–126, 2018
- 472 - BOCCARDI S., CARLOMAGNO G., MEOLA C., RUSSO P. and SIMEOLI G.:** “Evaluation of thermoplastic composites under cyclic and quasi-static bending tests”, in Proc SPIE Smart Structures and Nondestructive Evaluation 2018, 4-8 March 2018 Denver, Colorado, USA.
- 473 - MEOLA C., BOCCARDI S. and CARLOMAGNO G.M.:**”Composite Material Overview and its testing for aerospace components” (invited chapter) Chap 5 in Sustainable Composites for Aerospace Applications Mohammad Jawaid and Mohamed Thariq Editors, Woodhead Publishing Elsevier, 2018, ISBN: 978-0-08-102131-6 (print), ISBN: 978-0-08-102138-5 (online).
- 474 - BOCCARDI S., CARLOMAGNO G., MEOLA C., RUSSO P. and SIMEOLI G.:** “Infrared thermography to inline monitoring of glass fibres composites under impact and quasi-static bending tests”, Proc. QIRT 2018, QIRT-2018-128, 1-2, Berlin, DE, 2018
- 475 - TORRE A.F.M., IANIRO A., DISCETTI S. and CARLOMAGNO G.M.:**”Evaluation of anisotropic tangential conduction in printed-circuit-board heated-thin-foil heat flux sensors” , *Int. J. Heat Mass Transf.*, **127**, 1138–1146, 2018
- 476 - BOCCARDI S., CARLOMAGNO G.M. and MEOLA C.:**”Restoration of infrared detectors signal with the Reference Area Method' Chap 14 in “Advances in Sensors: Reviews”, Book Series, Vol. **5**, in press.