

CURRICULUM VITAE ET STUDIORUM

Prof. Dr. Ing. Giovanni Maria CARLOMAGNO
Federico II Emeritus Professor

QUALIFICATIONS AND REFRESHER COURSES

Degree as Doctor in Mechanical Engineering obtained on 18.12.1965 at the University of Naples with final grade 110/110, laude and honors

Qualification to practice the profession of engineer obtained in the first session of 1966 with grade 120/120

Refresher course on "Developments of Aerospace Technology", Faculty of Engineering, University of Naples, May 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", Faculty of Engineering, University of Naples, 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

SCHOLARSHIPS AND RESEARCH CONTRACTS

Course on "Introduction to computers" at the IBM Education Center in Rivoltella del Garda, as winner of an IBM scholarship, from 17.8.1964 to 29.8.1964

Summer internship at the OTO MELARA joint-stock company in La Spezia from 31.8.1964 to 15.9.1964

Scholarship of OLIVETTI S.p.A. at the Institute of Aerodynamics of the Faculty of Engineering of the University of Naples, as an internal student, from 01.11.1964 until graduation

Researcher on contracts of the C.N.R. at the Institute of Aerodynamics of the Faculty of Engineering of the University of Naples from 01.1.1966 to 31.10.1966

Contract researcher of the C.N.R. at the Institute of Aerodynamics of the Faculty of Engineering of the University of Naples from 01.11.1966 to 31.10.1967

Research Assistant at the Aerospace and Mechanical Sciences Department of the Princeton University, N.J., USA, from 01.9.1967 to 30.6.1968

Contract researcher Aerospace Research Laboratories F.33615-67C-1065 at the Gas Dynamics Laboratories of Princeton University, N.J., USA, from 01.7.1968 to 31.8.1968

AGARD Scholarship (September 1968) for a stay at the heat transfer laboratories of: University of Minnesota, Stanford University, California Institute of Technology, State University of New York at Stony Brook, Yale University and Massachusetts Institute of Technology

Research Assistant at the Aerospace and Mechanical Sciences Department of Princeton University, N.J., USA, from 01.9.1968 to 31.10.1968

ACADEMIC POSITIONS

Assistant Professor of "Gas dynamics" of the Faculty of Engineering of the University of Naples from 01.2.1967 to 31.7.1967

Full Assistant, winner of the competition, at the chair of " Gas dynamics " of the Faculty of Engineering of the University of Naples from 01.8.1967 to 31.10.1982

Internal Professor of "Physics" at the Faculty of Engineering of the University of Naples from 01.11.1969 to 31.10.1973

Professor of "Physics" at the Faculty of Engineering of the University of Naples from 01.11.1973 to 31.10.1975

Professor of "Principles of Mathematics and Physics II" at the School of Specialization in "Biomedical Technologies" of the Faculty of Medicine and Surgery of the University of Naples in the academic years 1974/75, 1975/76, 1976/77, 1977/78

Tenure Professor of "Gas dynamics" at the Faculty of Engineering of the University of Naples from 01.11.1975 to 31.10.1982

Associate Professor of "Gas dynamics" at the Faculty of Engineering of the University of Naples from 01.11.1982 to 05.08.1986

Adjunct Professor of "Gas dynamics" at the Faculty of Engineering of the University of Salerno in

the academic years 1985/86, 1986/87 and 1987/88

Extraordinary Professor of "Gas dynamics" at the Faculty of Engineering of the University of Naples from 06.08.1986 to 05.08.1989

Full Professor of "Gas dynamics" at the Faculty of Engineering of the University of Naples Federico II from 06.08.1989 to 31.10.2011.

Adjunct Professor of Thermo-fluid Dynamics at the Faculty of Engineering of the University of Naples Federico II for the Academic Year 1992/93.

Adjunct Professor of Fluid Dynamics I and Fluid Dynamics II at the Faculty of Engineering of the University of Naples Federico II in the Academic Years 1995/96, 1996/97, 1997/98, 1998/99, 1999/2000 and 2000/01.

Adjunct Professor of Fluid Dynamics I at the Faculty of Engineering of the University of Naples Federico II for the Academic Year 2001/02.

Adjunct Professor of "Gas dynamics I" at the Aeronautical Academy in the Academic Years 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/08, 2008/09 and 2009/10 and of "Gas dynamics" in the Academic Years 2009/10, 2010/11 and 2011/12.

Professor of the course of Experimental Aerodynamics I at the Faculty of Engineering of the University of Naples Federico II for the Academic Year 2009/10.

Adjunct Professor of "Gas dynamics" at the Faculty of Engineering of the University of Naples Federico II for the Academic Years 2011/12 and 2012/13.

Adjunct Professor of Thermo-fluid Dynamics at the Faculty of Engineering of the University of Naples Federico II for the Academic Year 2013/14.

Professor Emeritus of the University of Naples "Federico II" (since 2014)

ACADEMIC ASSIGNMENTS

Elected member of the Board of Directors of the Centro Studi per l'Edilizia dell'Università degli Studi di Napoli, as representative of the Faculty of Engineering from 1980 to 1984

Elected member of the Board of Directors of the University of Naples as representative of the stabilized professors for the two-year period 1982/83

Member of the I and III Commissions of the Board of Directors of the University of Naples for the two-year period 1982/83

Member of the Advisory Commission of the University of Naples for the Alfa Romeo Avio-University of Naples Consortium (1983/84)

Member of the Scientific Council of the Itronica Research Consortium (University of Naples, Indesit, Gould) from 1983 to 1988

Member of the Commission for the Settlement of professional fees concerning the design and management of works issued by the Board of Directors of the University of Naples from 1983 to 1989

Member of the Board of the PhD Commission in "Aerospace Engineering" of the University of Naples from 1984

Elected member of the Board of Directors of the University of Naples as representative of the associate professors for the two-year period 1986/87

Member of the I Commission of the Board of Directors of the University of Naples for the two-year period 1986/87

Member of the Board of the Department of Mechanical Engineering for Energy of the University of Naples for the two-year period 1987/89

Representative of the Rector in the Steering Committee of the Library Automation Service of the University of Naples from 04.06.87 to 27.12.89

Director of the Library Automation Service of the University of Naples from 05.08.1987 to 16.04.90

Member of the Technical Scientific Committee of the Convention between the Campania Region and the University of Naples on Vocational Training from 1988 to 1990

Member of the Board of the Department of Energetics, Applied Thermo-fluid Dynamics and Environmental Control of the University of Naples for the two-year period 1989/91

Member of the Committee of the Framework Convention between Società Italiana Vetro S.p.A. and the University of Naples from 1988 to 1994

Elected member of the Scientific Commission for Industrial Engineering of the University of Naples for the two-year period 1988/90

President of the Scientific Commission for Industrial Engineering of the University of Naples for the

two-year period 1988/90

Dean of the Council of the Degree Course in Mechanical Engineering of the University of Naples for the three-year period 1989/92

Member of the Organizing Committee of the Faculty of Engineering of the University of Siena for the three-year period 1991/94

Member of the National Coordination Committee of the Mechanical Area from 1991 to 1998

Elected member of the Board of Directors of the University of Naples Federico II as representative of full professors for the two-year period 1992/93

Chairman of the I Commission of the Board of Directors of the University of Naples Federico II for the two-year period 1992/93

Member of the Steering Committee of the Library Automation Service of the University of Naples Federico II for the two-year period 1992/93

Corresponding member of the Accademia Pontaniana (Class I – Pure and Applied Mathematical Sciences) since 30/04/1992

Elected member of the Board of Directors of the University of Naples Federico II as representative of full professors for the two-year period 1994/95

Chairman of the I I Commission of the Board of Directors of the University of Naples Federico II for the two-year period 1994/95

Member of the Board of the Department of Energetics, Applied Thermo-fluid Dynamics and Environmental Conditioning of the University of Naples Federico II for the two-year period 1994/96

Elected member of the Scientific Commission for Industrial and Information Engineering Sciences of the University of Naples Federico II for the two-year period 1997/98

Dean of the Council of the Degree Course in Aerospace Engineering of the University of Naples Federico II for the three-year period 1998/2001.

Member of the Committee of Consortium Members of the Agency for Advanced Research and Production (ARPA) appointed by the University of Naples Federico II for the three-year period 2001/04.

Dean of the Council of the Degree Course in Aerospace Engineering of the University of Naples Federico II for the three-year period 2001/04.

Elected member of the Scientific Committee of the Polo delle Scienze e delle Tecnologie dell'Università degli Studi di Napoli Federico II for the three-year academic period 2002/05.

Dean of the Council of the Degree Course in Aerospace Engineering of the University of Naples Federico II from 2004 to 2006.

Full Member of the Accademia Pontaniana (Class I – Pure and Applied Mathematical Sciences) since 27/05/2004

Member of the Committee of Consortium Members of the Agency for Advanced Research and Production (ARPA) appointed by the University of Naples Federico II for the three-year period 2004/07.

Member of the Board of Directors of T.E.S.T. Scarl - CRdC Trasporti as representative of the University of Naples Federico II from 2006 to 2010.

Member of the Committee of Consortium Members of the Agency for Advanced Research and Production (ARPA) designated by the University of Naples Federico II for the three-year period 2007/2010.

President of the Consortium Agency for Advanced Research and Production (ARPA) (2008/2012)

TEACHING ASSIGNMENTS

Professor at the "I course in Bioengineering" organized by the Faculties of Engineering and Medicine and Surgery of the University of Naples, April-May 1970

Professor of the Monographic Course on "Thermoregulation" organized by the International Center of Bioengineering of Caserta, May-July 1974

Responsible and teacher of the course of "Thermal Exchange" for graduate researchers held in 1976 at the Società Italiana Vetro S.p.A., San Salvo (CH)

Professor of the Seminar on "Technologies of Nuclear Plants" of the Faculty of Engineering of the University of Naples for the academic years 1981/82, 82/83 and 83/84

Teacher at the Courses for Energy Managers organized by CESVITEC (Naples) and the Chamber of Commerce of Caserta (1983)

Responsible and lecturer of two courses of 80 hours each on "Theoretical and Applied Glass Technology" held at the McGraw plant of Chrysler Co., Detroit, Michigan, held in September and

December 1986

Lecturer in the course on "Sensors for industrial applications" organized by CRIAI and Tecnopolis CSATA, Portici (1989)

Lecturer in the Lecture Series on "Measurement Techniques for Hypersonic Flows" organized by the Von Karman Institute for Fluid Dynamics, Rhode-St. Genese, Belgium (1990)

Responsible and lecturer of a course on "Infrared Thermography" held at Glasstech Inc., Perrysburg, Ohio (1990)

Lecturer in the course on "Sensors: Metrological Problems and Technological Solutions" organized by the Italian Association of Instrumentalists and the Italian Section of the Instrument Society of America, Milan (1992)

Responsible and lecturer of the course on "Applications of thermography in the measurement of heat transfer coefficients" held at Alfa Romeo Avio S.p.A., Pomigliano d'Arco (1992)

Lecturer in the Lecture Series on "Measurement Techniques" organized by the Von Karman Institute for Fluid Dynamics, Rhode-St-Genese, Belgium (1993)

Lecturer in the IV Master in Technology course organized by the QUATEC Consortium, Naples (1994)

Lecturer in the course on "Thermography - Application to Fluids" of the Eurotherm Seminar No. 42 on Quantitative Infrared Thermography (QIRT 94), Sorrento, Italy (1994)

Teacher of the course "Applied Fluid Dynamics" as part of the Tele imparted Diploma in Mechanical Engineering by Consorzio Nettuno in the academic years 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 and 2008/2009

Lecturer in the course on "Thermography - Application to Fluids" of the Eurotherm Seminar No. 50 on Quantitative Infrared Thermography(QIRT 96), Stuttgart, Germany (1996)

Lecturer in the course on "Thermography - Application to Fluids" of the Eurotherm Seminar No. 60 on Quantitative Infrared Thermography(QIRT 98), Lodz, Poland (1998)

Lecturer in the course on "Application of Thermography to Thermo-fluid-dynamics" of the Eurotherm Seminar No. 64 on Quantitative Infrared Thermography (QIRT 2000), Reims, France (2000).

Lecturer in the course on "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 02), Dubrovnik, Croatia (2002)

Professor of the Fourth Summer School of Thermo-fluid Dynamics on "Experimental Thermofluid Dynamics and Measurement Techniques" of the course "Advanced measurement techniques: IR thermography" Siena, Italy (2003)

Lecturer in the course on "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 04), Rhode St. Genese, Belgium (2004)

Lecturer in the course on "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 06), Padova, Italy (2006)

Professor of the Seventh Summer School of Thermo-fluid Dynamics on Experimental Techniques in Thermo-fluid Dynamics of the course "Advanced measurement techniques: PIV, IR thermography and liquid crystals", Siena, Italy (2007)

Lecturer in the course on "Application of Infrared Thermography to Thermo-Fluid-Dynamics" of the 9th International Workshop on Advanced Infrared Technology and Applications, Leon, Mexico (2007)

Lecturer in the course on "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 08), Krakow, Poland (2008)

Responsible and lecturer of the Workshop at the University of Sharjah on "IR Thermography Principles and Applications", Sharjah, UAE (2008)

Professor of the Tenth Summer School of Thermo-fluid Dynamics on Experimental Techniques in Thermo-fluid Dynamics of the course "Advanced measurement techniques: PIV; IR Thermography and Liquid Crystals", Siena, Italy (2010)

Lecturer in the course on "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 10), Quebec City, Quebec (2010)

Lecturer in the course on "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 12), Napoli, Italy (2012)

Adjunct Professor of the Gasdinamica module of the Gasdinamica course of the Faculty of Engineering of the University of Naples for the academic years 2011/12 and 2012/13

Adjunct Professor of the module Thermofluido-dinamica of the Gasdinamica course of the Faculty

of Engineering of the University of Naples for the academic year 2013/14

Lecturer in the course on "Application of Thermography to Fluids" of the Seminar on Quantitative Infrared Thermography (QIRT 14), Bordeaux, France (2014)

Responsible and lecturer of the Cycle of seminars on "Modern research methods in convective heat transfer" at the Ural Federal University Boris Yeltsin, Ekaterinburg, Russia, September 23/25, 2014

Lecturer in the course on "Thermal problems in fluid dynamics" of the Seminar on Quantitative Infrared Thermography (QIRT 16), Gdansk, Poland (2016)

SCIENTIFIC OR REPRESENTATIVE ASSIGNMENTS

Member of the Scientific Council of the "Fluid Dynamics" group of the National Research Council for the three-year period 1983/86

Member of the research group operating within the framework of the Convention between the Ministry of Civil Protection, the Municipality of Pozzuoli and the University of Naples (1983/87)

Member of the Board of Directors of the Italian Association of Aeronautics and Astronautics for the four-year period 1987/91

Local team leader of HERMES space program of the European Community, with Université de Poitiers, CNRS, France, 1988-1994

Member of Tether Dynamics Working Group for TDE/SEDS-1 Mission within the NASA research program Tethers in Space, 1990-1994

President of the Conference 23/2 of the Advanced Course in "Economics of Reliability and Quality in Production Systems", University of Naples (1990)

Member of the Council of the Naples Section of the Italian Association of Aeronautics and Astronautics for the four-year period 1991/95

Member of the Board of Directors of the Italian Association of Aeronautics and Astronautics for the four-year period 1991/95

Member of the General Assembly of ICAS (International Council of the Aeronautical Sciences) for the four-year period 1991/1995 as Italian representative

Member of the Quantitative Infrared Thermography Working Group since 1992

Chairman of the Approval and Testing Commission of the Telaer project on behalf of IASM (later IPI) from 1992 to 2005

Chairman of the Commission for the Approval and Testing of the Terra del Sud project on behalf of IASM (later IPI) from 1992 to 1999

President of the Scientific Committee of the QUATEC Consortium between Innovare S.r.L. and University of Naples for the four-year period 1993/97

Chairman del Quantitative Infrared Thermography Working Group per il for the two-year period 1993/94.

Member of the Scientific Advisory Committee of CIRA S.p.A. of Capua for the three-year period 1993/96

Member of the Scientific Council of the Study Center for Fluid Dynamics of the C.N.R., Turin, from 1993 to 2001

Member of the Scientific Council of the International Centre for Heat and Mass Transfer from 1993 up to today

Member of the Advisory Board of the Pacific Center of Thermal-Fluids Engineering, State of Hawaii, USA from 1994 up to today

Member of the Technical Advisory Committee of the von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese from 1995 to 2016

Member of the Board of Directors of the Italian Association of Aeronautics and Astronautics for the four-year period 1995/99

Member of the General Assembly of ICAS (International Council of the Aeronautical Sciences) for the four-year period 1995/99 as Italian representative

Expert for the evaluation of research proposals of the INCO-COPERNICUS 1996 programme at the European Community, Directorate General XII, Science Research and Development

Member of the 'Executive Committee of ICAS (International Council of the Aeronautical Sciences) for the four-year period 1996/2000

Deputy Chairman of the Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (1996/98)

Member of the Technical Administrative Committee referred to in Law 184/1975 of the Ministry of Industry, Commerce, Crafts and State Participation Attributions from 1997 to 2003.

Member of the Scientific Advisory Committee of CIRA S.p.A. of Capua for the three-year period 1997/2000

President of the Scientific Council of the Study Center for Fluid Dynamics of Turin of the C.N.R. from 1998 to 2001

Chairman of the Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese from 1998 to 2000

Member of the General Assembly of ICAS (International Council of the Aeronautical Sciences) for the four-year period 1999/2003 as Italian representative

Member of the Executive Committee of ICAS (International Council of the Aeronautical Sciences) from 2001 to 2004

Deputy Chairman of the Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2002/04)

Member of the General Assembly of the ICAS (International Council of the Aeronautical Sciences) for the four-year period 2003/07 as Italian representative

Expert for the evaluation of the research proposals of the University Call for the realization of joint projects with Institutions and Companies of the Territory "Joint Projects" of the University of Verona (2006)

Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2004/06)

Expert for the evaluation of all the research proposals of the Lazio Aerospace program of the Directorate General for the Coordination and Development of Research of MIUR (2006/07).

Expert for the evaluation of applied scientific research proposals, aimed at research projects presented in the Aeronautics and Space sector of Ptemonte Region (2005/06).

Member of the Executive Committee of ICAS (International Council of the Aeronautical Sciences) from 2005 to 2008

Expert for the evaluation of research proposals of the program of industrial research and experimental development projects of Veneto Region (POR 112) since 2007

Expert for the evaluation of the development of LAGS and GAPACOM research proposals of the Lazio Aerospace program of the Directorate General for the Coordination and Development of Research of MIUR (from 2007).

Expert for the evaluation of the research proposals of the program of the Framework Program Agreement in the field of Scientific Research Intervention Establishment of Networks of Public Research Laboratories of Puglia Region (2008)

Expert for the evaluation of industrial research projects of the Autonomous Province of Trento (2009)

Expert for the evaluation of research, development, innovation and technology transfer proposals of Marche Region (2008/2009)

Deputy Chairman del Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2008/10)

Expert for the evaluation of the proposals of the program of industrial research and experimental development projects of Emilia-Romagna Region (PRRIITT) (2009)

Member of COOPERATEUS (American and European Aviation Research Cooperation) Advisory Board (2010/2012)

Chairman of the Technical Advisory Committee of the Von Karman Institute for Fluid Dynamics, Rhode-Saint-Genese (2010/12)

Full member of the Board of Arbitrators of the Italian Association of Aeronautics and Astronautics since 2011

Honorary member of the Board of directors of the Italian Association of Laser Velocimetry and Non-Invasive Diagnostics (A.I.VE.LA) since 2011

Expert for the evaluation of research proposals of the EUROSTARS program on behalf of MIUR (2012)

Expert for the evaluation of the proposals of the program of industrial research and experimental development projects on behalf of Sardinia Region (2012)

Expert for the evaluation of the proposals of the research project program of the "SIR 2014" call of

the MIUR (Ministry of Education, University and Research), (2014)

Expert for the evaluation of the HOTGAUGE research program of the EUROSTARS call on behalf of MIUR (2014/2016)

CHAIRMANSHIP OF CONGRESSES

Co-chairman of the Meeting/Workshop on "Energy Stability and Convection", Capri, Italy (1986)

Chairman of the 4th International Conference on "Computational Methods and Experimental Measurements" (CMEM 89), Capri, Italy (1989)

Chairman and Co-organizer of the HERMES Aerodynamics R&D Meeting on Wind Tunnels, Capua, Italy (1990)

Chairman of the 5th International Conference on "Computational Methods and Experimental Measurements" (CMEM 91), Montreal, Canada (1991)

Co-chairman of the 2nd International Workshop on "Advanced Infrared Technology and Applications" (AITA 93), Capri, Italy (1993)

Chairman of the 6th International Conference on "Computational Methods and Experimental Measurements" (CMEM 93), Siena, Italy (1993)

Chairman of the 2nd International Conference on "Quantitative Infrared Thermography", (QIRT 94), Sorrento, Italy (1994)

Chairman of the 7th International Conference on "Computational Methods and Experimental Measurements" (CMEM 95), Capri, Italy (1995)

Co-chairman of the 3rd International Workshop on "Advanced Infrared Technology and Applications" (AITA 95), Capri, Italy (1995)

Chairman of the 3rd International Conference on "Quantitative Infrared Thermography" (QIRT 96), Stuttgart, Germany (1996)

Chairman of the 8th International Conference on "Computational Methods and Experimental Measurements" (CMEM 97), Rhodes, Greece (1997)

Co-chairman of the 4th International Workshop on "Advanced Infrared Technology and Applications" (AITA 97), Firenze, Italy (1997)

Chairman of the 8th International Symposium on Flow Visualization (ISFV 8), Sorrento, Italy (1998)

Chairman of the 4th International Conference on "Quantitative Infrared Thermography" (QIRT 98), Lodz, Poland (1998)

Chairman of the 9th International Conference on "Computational Methods and Experimental Measurements" (CMEM 99), Sorrento, Italy (1999)

Co-chairman of the 5th International Workshop on "Advanced Infrared Technology and Applications" (AITA 99), Venezia, Italy (1999)

Chairman of the 5th International Conference on "Quantitative Infrared Thermography" (QIRT 2000), Reims, France (2000)

Co-chairman of the 6th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2001), Siena, Italy (2001)

Chairman of the 10th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2001), Alicante, Spain (2001)

Chairman of the 6th International Conference on "Quantitative Infrared Thermography" (QIRT 2002), Dubrovnik, Croatia (2002)

Co-chairman of the 7th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2003), Pisa, Italy (2003)

Chairman of the 11th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2003), Halkidiki, Greece (2003)

Chairman of the VII Triennial International Symposium on Fluid Control, Measurement and Visualization (FLUCOME 2003), Sorrento, Italy (2003)

Chairman of the 7th International Conference on "Quantitative Infrared Thermography" (QIRT 2004), Rhode St. Genese, Belgium (2004)

Co-chairman of the 8th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2005), Roma, Italy (2005)

Chairman of the 12th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2005), Malta (2005)

Chairman of the Symposium on "High Performance Vehicles Design", EUROAVIA, Naples (April

2005)

Chairman of the 13th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2007), Prague, Czech Republic (2007)

Co-chairman of the 9th International Workshop on "Advanced Infrared Technology and Applications" (AITA 2007), Leon, Mexico (2007)

Chairman of the 14th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2009), Algarve, Portugal (2009)

Co-chairman of the 10th International Workshop on "Advanced Infrared Technology and Applications" (AITA 09), Firenze, Italy (2009)

Chairman of the 15th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2011), Southampton, U.K. (2011)

Co-chairman of the 11th International Workshop on "Advanced Infrared Technology and Applications" (AITA 11), L'Aquila, Italy (2011)

Chairman of the 16th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2013), A Coruña, Spain. (2013)

Co-chairman of the 12th International Workshop on "Advanced Infrared Technology and Applications" (AITA 13), Torino, Italy (2013)

Chairman of the 17th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2015), Opatija, Croatia. (2015)

Chairman of the 18th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2017), Alicante, Spain. (2017)

Chairman of the 19th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2019), Seville, Spain. (2019)

Chairman of the 20th International Conference on "Computational Methods and Experimental Measurements" (CMEM 2021), Rome, Italy. (2021)

Chairman of the 21st International Conference on "Computational Methods and Experimental Measurements" (CMEM 2023), Rome, Italy. (2023)

MEMBER OF THE ORGANIZING OR SCIENTIFIC COMMITTEE OF CONGRESSES

Member of the Organizing Committee of the II Congresso Nazionale dell'Associazione Italiana di Meccanica Teorica e 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: Outlook for the 90's", Forlì (1989)

Member of the Scientific Committee 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 organized by the 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, Morocco (1993)

Member of the Program Committee of the Dedicated Conference on Mechatronics of the 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, Egypt (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), Edinburgh (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)

Member of the Scientific Committee of the 4th International Thermal Energy Congress (ITEC 2001), 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 Scientific Committee 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 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 Scientific Committee 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, Göttingen, 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 of the 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 of the 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 of the 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 Scientific Committee of the XX A.I.V.E.L.A. National Meeting, Rome, 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 Scientific Committee of the XXI A.I.V.E.L.A. National Meeting, 19-20 December 2013, Florence, 2013

Member of the International Technical Committee of the 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 Scientific Committee of the XXII A.I.V.E.L.A. National Meeting, 15-16 December 2014, University of Rome Tor Vergata, 2014

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 Scientific Committee of the XXIII A.I.V.E.L.A. National Meeting, 12-13 November 2015, Villa Capitini, Perugia, 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, Madeira, 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 2087), Seville, Spain, September 2018

Programming Committee Member of 6th International Conference on Advanced Computing (ADCO-2019) Conference and of 11th International Conference on Networks & Communications (NeCoM 2019), Vienna, Austria, August 24-25, 2019

Member of the Honorary Committee of the 15th International Conference on Fluid Control, Measurements and Visualization (FLUCOME 2019), Naples, Italy, May 27-30, 2019

Member of the Program Committee of the 15th International Conference on Fluid Control, Measurements and Visualization (FLUCOME 2019), Naples, Italy, May 27-30, 2019

Member of the Honorary Advisory Board of the 12th Pacific Symposium on "Flow Visualization and Image Processing" (PSFVIP-12), New Taipei, Taiwan, November 19-22, 2019

Member of the International scientific committee of the 31st International Symposium on "Transport Phenomena" (ISTP31), Honolulu, Hawaii, October 13-16, 2020

Member of the International Program Committee of the 6th International Conference on Sensors and Electronic Instrumentation Advances (SEIA 2020), Porto, Portugal, Sep 23 - Sep 25, 2020

Programming Committee Member of the 12th International Conference on Networks & Communications (NeCoM 2020), Chennai, India, February 22 ~ 23, 2020

Organizing Committee Member of the 4th World Conference on Aerospace and Aeronautical Engineering, November 23-24th, 2020, Frankfurt, Germany

Member of the Organizing Committee of the Aerospace and Aeronautics World Forum, September 10-11, 2020, Luxembourg, Luxembourg

Member of the Organizing Committee of the 4th World Conference on Aerospace and Aeronautical Engineering, October 22-23, 2020, Porto, Portugal

Member of the Honorary Board of the 19th International Symposium on Flow Visualization, Shanghai, China June 28 to 30, 2021

Member of the Honorary Board of the 16th International Conference on Fluid Control, Measurements, and Visualization (FLUCOME 2021), October 24–28, 2021, Beijing, China

Member of the International Program Committee of the 7th International Conference on Sensors and Electronic Instrumentation Advances (SEIA 2021), 22-24 Sept. 2021, Palma de Mallorca, Spain

Member of the International Scientific Committee of the 32nd International Symposium on "Transport Phenomena" (ISTP32), March 19-21, 2022, Tianjin, China

Member of the Organizing Committee of the 2nd Global Summit and Expo on Mechanical and Mechatronics Engineering (GSEMME2022), Edinburgh, Scotland, August 25-27, 2022

Member of the Honorary Committee and of the International Scientific Committee of the 13th Pacific Symposium on Flow Visualization and Image Processing (PSFVIP13), Shinjuku, Japan, August 7th-10th, 2022

Member of the International Scientific Committee of the 8th International Conference on Sensors and Electronic Instrumentation Advances (SEIA 2022), Corfu, Greece, 21-23 September 2022

Member of the Honorary Board of the 20th International Symposium on Flow Visualization (ISFV 20), Delft, The Netherlands (2023)

Member of the Honorary Board and of the International Scientific Committee of the 14th Pacific Symposium on Flow Visualization and Image Processing, Christchurch, New Zealand, 27th-29th of November, 2024

CHARMAINSHIPS OF CONGRESS SESSIONS

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, Prague (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 Congress on "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", Beijing, 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, Morocco (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, Kaaanapali, 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), Toulouse (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, CA (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 of the Session "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), Rhodes (1997)

Chairman of the sessions "Radiation a)" and "Radiation b)" of the 4th World Conference on "Experimental Heat Transfer, Fluid mechanics and Thermodynamics", Brussels (1997)

Chairman of the session 30 A1 of the 3rd International Thermal Energy Congress, Kitakyushu, Japan (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) Sherbrooke, 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" at 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, Greece (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" at the 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, Gottingen, 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), Lyndhurst, 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 Astronautics 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.VE.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)

Chairman of Session 1 of the 19th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2019), Seville, Spain (2019)

Chairman of Session Q&A of the 20th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2021),

INVITED LECTURES AND SEMINARS

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 Plenary 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 Warsaw Polytechnic, Warsaw, Poland (1990)

Keynote Plenary Lecture at the 6th International Symposium on Flow Visualization, Yokohama, Japan (1992)

Invited Plenary 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 Plenary 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 Plenary Lecture at the Euromech Colloquium n.309 "Optical Flow Diagnostics", Göttingen (1993)

Invited Plenary Lecture 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 of CNR, Dipartimento di Ingegneria Chimica and Dottorato di Ricerca in Ingegneria Chimica of the Università degli Studi di Napoli Federico II (1995)

Invited Plenary Lecture at the Euromech n. 335 "Image Techniques and Analysis in Fluid Dynamics", Roma (1995)

Invited Plenary Lecture at the 3rd International Workshop on "Advanced Infrared Technology and Applications", Capri (1995)

Keynote Plenary Lecture at the 2nd European Thermal-Sciences Conference, Roma (1996)

Keynote Plenary Lecture at the Seminar on "Optical Methods and Data Processing in Heat and Fluid Flow", London (1996)

Invited Plenary Lecture at the "III National Conference on IR Thermography and Thermometry

(TTP'96), Warsaw (1996)

Keynote Plenary Lecture at the 4th World Conference on Experimental Heat Transfer, Fluidmechanics and Thermodynamics, Brussels (1997)

Keynote Plenary Lecture at the First Pacific Symposium on Flow Visualization and Image Processing (PSFVIP-1), Honolulu (1997)

Keynote Plenary Lecture at the 8th International Conference on "Computational Methods and Experimental Measurements", Rhodes (1997)

Invited Plenary 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 of Asahi Glass Co. Ltd., Japan (1997)

Invited Seminar at the Glasstech Inc., Perrysburg (OH), USA (1997)

Invited Plenary Lecture at the 4th International Workshop on "Advanced Infrared Technology and Applications", Firenze (1997)

Keynote Plenary 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 Plenary 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 Plenary Lecture at the 5th International Workshop on "Advanced Infrared Technology and Applications", Venezia (1999)

Opening Plenary Lecture at the 9th International Conference on "Computational Methods and Experimental Measurements", (CMEM 1999), Sorrento

Leonardo da Vinci Memorial Opening Plenary Lecture at the Millennium 9th International Symposium on Flow Visualization, Edinburgh, UK (2000)

Invited Lecture on "Flow visualization" at the Ceremony in honour of prof. Wolfgang Merzkirch for his retirement, Essen, Germany, September 29, 2000

Opening Plenary 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 Plenary Lecture at the 6th International Workshop on "Advanced Infrared Technology and Applications", Siena (2001)

Keynote Lecture at the International Symposium on Visualization and Imaging in Transport Phenomena, Antalya, Turkey (2001)

Invited Plenary Lecture at the 6th Asian Symposium on Visualization (ASV6), Pusan, Korea (2001)

Invited Plenary Lecture at the International Symposium on "Visualization and Imaging in Transport Phenomena", (VIM 2001), Antalya, Turkey (2001)

Invited Plenary Lecture at the SEIKEN Symposium on Particle Image Velocimetry, Tokyo, Japan (2002)

Invited Plenary Lecture at the Eurotherm Seminar n. 71 on "Visualization, Imaging and Data Analysis in Convective Heat and Mass Transfer", Reims, France (2002)

Invited Plenary 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 Plenary Lecture at the Japan Korea Computer Graphics Conference (JKCGC 2002), Kanazawa, Japan (2002)

Opening Plenary Lecture at the 11th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2003), Halkidiki, Greece

Invited Plenary Lecture at the 7th International Workshop on "Advanced Infrared Technology and Applications", Pisa (2003)

Invited Lecture at the IV International Symposium on Polymer Surface Modification, Orlando, USA (2003)

Invited Plenary Lecture at the International Symposium on Colour and Design in the Natural and Engineering Worlds, Linnean Society, London (2003)

Invited Plenary 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 Plenary Lecture at the 12th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2005), Malta

Invited Plenary 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 Plenary Lecture at the 13th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2007), Prague, Czech Republic (2007)

Invited Plenary 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 Plenary Lecture at the 10th International Workshop on "Advanced Infrared Technology and Applications", Firenze (2009)

Opening Plenary Lecture at the 14th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2009), Carvoeiro, Portugal (2009)

Invited Seminar at the Fachgebiet Stromungslehre und Aerodynamik, University of Darmstadt, Germany (2011)

Invited Seminar at the Institut für Thermodynamik der Luft- und Raumfahrt, University of Stuttgart, Germany (2011)

Opening Plenary Lecture at the 15th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2011), Lindhurst, UK (2011)

Invited Plenary Lecture at the 11th International Workshop on "Advanced Infrared Technology and Applications", L'Aquila (2011)

Invited Plenary Lecture at the Academic Session in Memory of Theodore von Kármán held on the 50th Anniversary of his Death 1963-2013, Palais des Academies, Brussels, Belgium, Tuesday, 7th May 2013

Opening Plenary 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 Plenary Lecture at the Int. Sci. Conf. Infrared Thermography and Thermometry, Metrological Assurance of Measurement and Testing, as Honor Guest, Lvov, Ukraine (2013)

Invited Plenary Lecture at the XII International Symposium on "Fluid Control, Measurement and Visualization", (FLUCOME 2013), Nara, Japan (2013)

Lecture Series on "Modern research methods in convective heat transfer" at the Ural Federal University Boris Yeltsin (prof. B. P. Zhilkin), Ekaterinburg, Russia, September 23/25, 2014.

Opening Plenary Lecture at the 17th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2015), Opatija, Croatia (2015)

Keynote Lecture at the Quantitative Infrared Thermography Congress (QIRT 16), Dansk, Poland (2016)

Invited Lecture at the course of Energetica, Università degli Studi di Salerno, Salerno (2017)

Invited Seminar at the course of Energetica of the Università degli Studi di Salerno, 14 December 2018

Opening Plenary Lecture at the 19th International Conference on "Computational Methods and Experimental Measurements", (CMEM 2019), Seville, Spain, June 2019

Invited Plenary Lecture at XXVII A.I.VE.LA. National Meeting, Napoli, Italy, 30-31 of October 2019

Invited Seminar at the course of Energetica dell'Università degli Studi di Salerno, December 17 2019

Keynote Plenary Lecture at the 15th Quantitative InfraRed Thermography Conference (QIRT2020), Porto (Portugal), 6- 10th of July 2020

Invited Seminar at the course of Energetica of the Università degli Studi di Salerno, December 15, 2021

Invited Seminar at the course of Energetica of the Università degli Studi di Salerno, November 23, 2022

Invited Seminar at the course of Energetica of the Università degli Studi di Salerno, November 29, 2023

STAYS ABROAD

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 Warsaw Polytechnic (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 Warsaw Polytechnic (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 (JSPS) as a Visiting Professor at the Institute of Industrial Science of University of Tokyo (July – September 1999)

PUBLICATIONS

Author of about 450 publications mainly concerning: Hypersonic aerodynamics, Gas dynamics, Hemodynamics, Heat transfer, Fluid dynamics of non-Newtonian media, Fluidics, Measurement techniques in thermos-fluid-dynamics, Applications of tethered satellites, Quantitative infrared thermography, Non-destructive testing.

PATENTS

Author, or co-author, of numerous industrial invention patents regarding: Oxygen blowing with stationary and nonstationary modes in LD converters, Blast furnace wind tuyeres, Energy recovery and soot agglomeration in diesel engines, Reference beam interferometry, Plate support of high temperature glass with air cushion, Suction of fluids, Rung for pilot ladder, Coanda effect fibre diverters, Furnaces for the production of tempered glass for cars, Blowers for tempering glass for cars, Apparatus for laminating solar cells. Correction of ceramic baths for investment casting.

Espacenet

Result list

18 results found in the Worldwide database for: **txt = carlomagno** and **txt = giovanni** using Smart search

1. INTEGRATED SYSTEM FOR THE AUTOMATIC CORRECTION OF THE VISCOSITY OF A CERAMIC MIXTURE FOR A LOST WAX CASTING PROCESS

Inventor: CARLOMAGNO GIOVANNI MARIA [IT] NATALE CORRADO (+1)	Applicant: EUROPEA MICROFUSIONI AEROSPAZIALI S P A [IT]	CPC: <u>B01F15/00246</u> <u>B01F15/00285</u> <u>B01F15/0408</u> (+7)	IPC: B01F15/00 B01F9/00 B01F9/10 (+7)	Publication info: WO2018104979 (A1) 2018-06-14	Priority date: 2016- 12-07
2. PILOT BOAT WITH PROTRUDING PLATFORMS FOR AN EASIER BOARDING OF A SHIP					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT] AMBROSIO SERGIO (+2)	Applicant: AIELLO FRANCESCO [IT]	CPC: <u>B63B21/00</u> <u>B63B27/00</u> <u>B63B35/00</u> (+1)	IPC: B63B21/00 B63B27/00 B63B35/00 (+1)	Publication info: PL3030482 (T3) 2018-04-30	Priority date: 2014- 03-12
3. MULTI-STAGE LAMINATING APPARATUS USING LAMINATING PALLETS AND CORRESPONDING METHOD					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT] DE LEONIBUS VITTORE (+1)	Applicant: TEKNISOLAR LTD [GB] CARLOMAGNO GIOVANNI MARIA [IT] (+2)	CPC: <u>B30B5/02</u> <u>B30B7/02</u> <u>B32B2038/1891</u> (+7)	IPC: B30B5/02 B30B7/02 B32B37/06 (+2)	Publication info: WO2011076451 (A1) 2011-06-30	Priority date: 2009- 12-21
4. TEMPERING BENT GLASS SHEETS					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT]	Applicant: PILKINGTON GROUP LTD [GB]	CPC: <u>C03B27/0404</u> <u>C03B27/0408</u> <u>C03B27/0445</u>	IPC: C03B27/044 C03B27/048	Publication info: HUE026923 (T2) 2016-07-28	Priority date: 2003- 03-28
5. RUNG FOR PILOT LADDER					
Inventor: AIELLO FRANCESCO [IT] CARLOMAGNO GIOVANNI MARIA [IT]	Applicant: AIELLO FRANCESCO [IT] CARLOMAGNO GIOVANNI MARIA [IT]	CPC: <u>B63B27/14</u>	IPC: B63B27/14	Publication info: ITNA990006 (U1) 1999-04-28 IT247978 (Y1) 2002-12-09	Priority date: 1999- 01-28
6. DISPOSITIVO PER LA DEVIAZIONE DI UN GETTO FLUIDO USCENTE DA UN UGELLO.					
Inventor: BONETTI PAOLO CARLOMAGNO GIOVANNI 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	Priority date: 1998- 10-21
7. SCALETTA A TAROZZI MODIFICATA.					
Inventor: AIELLO FRANCESCO, CARLOMAGNO GIOVANNI MARIA	Applicant: AIELLO FRANCESCO CARLOMAGNO GIOVANNI MARIA [IT]	CPC:	IPC: B63B	Publication info: ITNA960020 (U1) 1996-06-19 IT241691 (Y1) 2001-05-17	Priority date: 1996- 03-21
8. SOFFIANTI PER LA TEMPERA DI LASTRE DI VETRO REALIZZATE MEDIANTE PIU' SETTORI TRA LORO DISACCOPPIATI					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT]	Applicant: CARLOMAGNO GIOVANNI MARIA [IT]	CPC:	IPC:	Publication info: ITNA930008 (A1) 1994-10-03	Priority date: 1993- 04-01

9. APPARATUS FOR THE MANUFACTURE OF SHEETS OF GLASS HAVING A COMPLEX SHAPE					
Inventor: CARLOMAGNO GIOVANNI [IT] CAICO VINCENZO [IT] (+1)	Applicant: SIV SOC ITALIANA VETRO [IT]	CPC: <u>C03B2225/02</u> <u>C03B23/03</u> <u>C03B23/0357</u> (+3)	IPC: B60J1/00 C03B23/03 C03B23/035 (+6)	Publication info: US5330549 (A) 1994-07-19	Priority date: 1991-07-10
10. DEVICE FOR ASPIRATION OF FLUIDS BY USING OTHER FLUIDS					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT]	Applicant: CARLOMAGNO GIOVANNI MARIA [IT]	CPC:	IPC: F04B (IPC1-7): F04B	Publication info: IT9040435 (A1) 1992-02-07 IT1242270 (B) 1994-03-03	Priority date: 1990-08-06
11. PROCESS FOR APPLYING FORCES TO GLASS SHEETS, IN PARTICULAR AT A HIGH TEMPERATURE					
Inventor: CARLOMAGNO GIOVANNI M [IT]	Applicant: CARLOMAGNO GIOVANNI M [IT]	CPC: <u>B65G2249/045</u> <u>B65G47/911</u> <u>C03B2225/02</u> (+4)	IPC: B65G47/91 C03B23/035 C03B27/044 (+3)	Publication info: US4921520 (A) 1990-05-01	Priority date: 1987-02-03
12. VERFAHREN UND VORRICHTUNG ZUR ANWENDUNG VON KRAEFTEN AUF GLASSCHEIBEN, INSBESONDERE BEI HOHER TEMPERATUR.					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT]	Applicant: SIV SOC ITALIANA VETRO [IT]	CPC:	IPC: B65G47/91 B65G49/06 C03B23/035 (+9)	Publication info: AT88683 (T) 1993-05-15	Priority date: 1987-02-03
13. INTERFEROMETRO OTTICO A FASCI SEPARATI REALIZZATO CON UN SEPARATORE BIRIFRANGENTE					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT]	Applicant: CARLOMAGNO GIOVANNI MARIA [IT]	CPC:	IPC: G02B (IPC1-7): G02B	Publication info: IT1191465 (B) 1988-03-23	Priority date: 1986-04-21
14. FLUIDIZED BED FILTERING AND/OR HEAT EXCHANGE APPARATUS PARTICULARLY FOR GASEOUS DISCHARGES FROM INTERNAL COMBUSTION ENGINES AND INDUSTRIAL PLANTS					
Inventor: CAMPANILE ARMANDO [IT] CARLOMAGNO GIOVANNI M [IT] (+4)	Applicant: FIAT RICERCHE [IT]	CPC: <u>B01D46/38</u> <u>B01D53/12</u> <u>B01J8/24</u> (+1)	IPC: B01D46/38 B01D53/12 B01J8/24 (+2)	Publication info: US4340400 (A) 1982-07-20	Priority date: 1980-09-10
15. TUBIERA VENTO PER ALTOFORNO CON RAFFREDDAMENTO E LAMINA DI COMBUSTIBILE					
Inventor: FERRARESI MARIO [IT] SACERDOTE ROBERTO [IT] CARLOMAGNO GIOVANNI M [IT]	Applicant: ITALSIDER SPA [IT]	CPC:	IPC: F23L (IPC1-7): F23L	Publication info: IT1081037 (B) 1985-05-16	Priority date: 1977-07-25
16. METHOD AND DEVICE FOR BLOWING OXYGEN IN METAL REFINING CONVERTERS IN UNSTATIONARY MANNER					

Inventor: CARLOMAGNO GIOVANNI MARIA [IT] COSTA BRUNO [IT]	Applicant: ITALSIDER SPA [IT]	CPC: <u>C21C5/32</u>	IPC: C21C5/32 (IPC1-7): C21C5/30	Publication info: US4043799 (A) 1977-08-23	Priority date: 1975- 06-25
17. <u>NOZZLES OF THE LANCE HEADS FOR BLOWING OXYGEN FROM ABOVE IN THE REFINING PROCESSES</u>					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT] CECERE ANTONIO (+3)	Applicant: ITALSIDER SPA [IT]	CPC: <u>C21C5/32</u>	IPC: C21C5/32 C21C5/46 (IPC1-7): C21C7/00	Publication info: US3957258 (A) 1976-05-18	Priority date: 1973- 08-08
18. <u>DISCONTINUOUSLY BLOWING OXYGEN IN LD CONVERTERS - TO IMPROVE THE INTERACTION BETWEEN THE MOLTEN METAL AND THE SLAG</u>					
Inventor: CARLOMAGNO GIOVANNI MARIA [IT] COSTA BRUNO [IT]	Applicant: ITALSIDER SPA [IT]	CPC: <u>C21C5/32</u> <u>C21C5/4606</u>	IPC: C21C5/30 C21C5/32 C21C5/46 (+1)	Publication info: DE2342003 (A1) 1974-04-18 DE2342003 (C2) 1984-07-19	Priority date: 1972- 09-08

SCIENTIFIC COLLABORATIONS

- He collaborated with professors of the Institute of Physiology of the II Faculty of Medicine of the University of Naples on the experimental study of capillary hemodynamics
- He collaborated with professors of the Institute of Applied Physics of the Faculty of Engineering of the University of Naples on the applications of solar panels and on the fluid dynamic and acoustic study of supersonic jets
- He collaborated with teachers and/or researchers of the Institute of Industrial Chemistry and Chemical Plants of the University of Naples, of the Combustion Research Institute of the CNR of Naples, of the Engine Institute of the CNR of Naples and of the Fiat Research Center on the thermo-fluid-dynamic study of fluidized beds placed at the exhaust of diesel engines
- He collaborated with professors of the Department of Mechanics and Aeronautics of the University of Rome, La Sapienza, on the study of natural convection flows and on visualization techniques of fluid motioni
- He collaborated with researchers from the Aerothermodynamics Branch, Space System Division of the Space Directorate and from the General Research Instrumentation Branch, Instrument Research Division of the Electronics Directorate of NASA Langley Research Center. In particular, as Principal Investigator, he acted in a research proposal with them for the Tethered Satellite System space program
- He collaborated with British Aerospace, Aeritalia and other European aerospace companies and universities within the Brite/Euram Program in CAPRI research (Civil Aircraft Protection Against Ice)
- Collaborated with teachers and researchers from the Center d'Etudes Aerodynamiques et Termiques of Poitiers and the Von Karman Institute for Fluid Dynamics of Rhode-Saint-Genese within the Hermes Aerospace Program on re-entry problems
- Collaborated with teachers and researchers of the Institute of Industrial Science of the University of Tokyo in the field of research in thermo-fluid-dynamics

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INDUSTRIAL CONSULTANCIES AND RESEARCH AGREEMENTS

- 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)
- Economic European Community, Bruxelles
- Co.Ge.Fer. s.r.l, San Salvo (CH)
- Consorzio TELAER, Roma
- Consorzio TERRA DEL SUD, Roma
- CTM s.r.l., San Salvatore Telesino (BN)
- El.en. Group S.p.A., Calenzano (FI)
- Europea Microfusioni Aerospaziali (EMA), Morra de Sanctis (AV)
- Freudenberg Politex, 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
- Italcoat 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
- Teknisolar ltd, Daresbury, Cheshire (UK)
- Valfivre S.p.A., Firenze
- Voest-Alpine Stahl, Linz (Austria)

MEMBER OF THE SCIENTIFIC COMMITTEE OF JOURNALS

Member of the Editorial Advisory Board of "Experiments in Fluids", Springer International
Member 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 of the 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", ISSN 1874-155X, Bentham Open

Member of the Editorial Board of "Recent Patents on Mechanical Engineering Journal" ISSN 2212-7976, Bentham Science

Editor of the "Quantitative Infrared Thermography (QIRT) Journal", ISSN 1768-6733, Taylor & Francis, from 2012

Editor in chief of the "International Journal of Computational Methods and Experimental Measurements", ISSN 2046-0546, WIT Press, Southampton

Editorial Board Member for the open access "Journal of Flow Control, Measurement and Visualization" ISSN 2329-3322, from 2012

Editor emeritus of the "Quantitative Infrared Thermography (QIRT) Journal", ISSN 1768-6733, Taylor & Francis, from 2014.

Member of the Editorial Advisory Board of "The Open Physics Journal", ISSN 2391-5471, De Gruyter. from 2014

Section Editor (Mechanical Engineering) of "Applied Sciences", ISSN 2076-3417, Open access journal on applied natural sciences published semi-monthly online by MDPI.

Member of the Editorial Board of the "Journal of Aerospace Engineering and Mechanics", ISSN: 2578-6350

BOOKS

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)

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AWARDS AND HONOURS

- ***Eminent Scientist Medal*** of Wessex Institute of Technology, Southampton, UK, June 1999
- ***Fellow of the Japan Society for the Promotion of 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 of the 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)
- ***Emeritus Professor*** of the Università degli Studi di Napoli *Federico II* (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)

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- 53 - **SEVERI A., GARUGLIERI I., FIDANZATI G. e 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)
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