

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **MICHELE IANNONE**

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Nationality Italian

Date of birth 25 FEBRUARY 1956

Gender Male

Desired employment / Occupational field

Role of Research Manager or Research Project Officer or University teacher in the field of composite materials and structures for aeronautic applications and/or senior scientist or senior consultant.

Work experience

Dates	7/2007 on
Occupation or position held	Program Manager of Structural Researches
Main activities and responsibilities	Management of all the Alenia Structural Researches, both National and European. The management includes technical and financial issues, as well as the human and financial resources, as well as facilities utilisation. Also collaboration with external research and industrial entities are part of the management responsibilities, as well as the industrial exploitation of the developed technologies.
Name and address of employer	Alenia Aeronautica (presently Alenia Aermacchi). Viale dell'Aeronautica Pomigliano D'Arco Italy
Type of business or sector	Aeronautics
Dates	From 1/2006 to 6/2007
Occupation or position held	Appointed by Alenia at IMAST (Campania Polymeric and Composite Material District), Responsible of the Aeronautical Research Programs
Main activities and responsibilities	Technical and financial management of the IMAST aeronautical research programs through the overall life cycle
Name and address of employer	IMAST – Piazza E. Fermi, Portici (Naples) Italy
Type of business or sector	Research

Dates	From 5/2002 to 12/2005
Occupation or position held	Material Technology Labs, Head of the group (25 co-workers)
Main activities and responsibilities	Management of all the activities of the labs, including both people and facilities. The activities of the labs were finalised both to programs (e.g. ATR, A380, B787, etc.) and research project.
Name and address of employer	Alenia Aeronautica. Viale dell'Aeronautica Pomigliano D'Arco Italy
Type of business or sector	Aeronautics
Dates	From 2/1999 to 5/2002
Occupation or position held	Engineering, Research Coordination - Responsible of engineering research coordination
Main activities and responsibilities	Management of all the Alenia researches, specifically for the part developed by Engineering. The management included technical and financial issues, as well as the human and financial resources, as well as facilities utilisation. Also collaboration with external research and industrial entities were part of the management responsibilities..
Name and address of employer	Alenia Aeronautica. Viale dell'Aeronautica Pomigliano D'Arco Italy
Type of business or sector	Aeronautics
Dates	From 9/1990 to 2/1999
Occupation or position held	Engineering, Composite Material Technology and Labs (Foggia) - Head of the group (15 co-workers).
Main activities and responsibilities	Management of all the activities of the technology and labs group of the composite material aerostructure plant, including both people and facilities. The activities of the labs were finalised both to programs (e.g. B777, ATR, EFA, etc.) and research project. Responsible of the material and process issues for the ATR 42/72 composite empennage certification. Manager of both the engineering lab and the production Q.C. lab
Name and address of employer	Alenia Aeronautica. Zona ASI Incoronata, Foggia Italy
Type of business or sector	Aeronautics
Dates	From 5/1981 to 9/1990
Occupation or position held	Engineering, Material Technology. Position: material and process technologist
Main activities and responsibilities	Technical activity both in the Programs (e.g. 767, G222, ATR, etc.) and Researches about material and structures issues. Specific responsibility on national and international researches (example: a research on the application of thermoplastic based composite materials, requiring also international collaborations (e.g. the Welding Institute and Battelle Institute)
Name and address of employer	Alenia Aeronautica. Viale dell'Aeronautica Pomigliano D'Arco Italy
Type of business or sector	Aeronautics
Dates	From 6/1979 to 5/1981,
Occupation or position held	Researcher .
Main activities and responsibilities	Research activity and support in the didactic activity of the Polymer Technology Group (leader prof. Luigi Nicolais).
Name and address of employer	The University of Naples, Piazzale Tecchio, Naples, Italy
Type of business or sector	Education

Education and training

Dates	May 1979
Title of qualification awarded	Degree on Chemical Engineering (5 years course)
Principal subjects/occupational skills covered	Chemical Engineering, with material address

Name and type of organisation providing education and training | The University of Naples Federico II
 Level in national or international classification | 110/110 cum laude

Personal skills and competences

Mother tongue(s) | **Italian**

Other language(s)

Self-assessment
 European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C1	Proficient user	C2	Proficient user	C1	Proficient user
B1	Independent user	A2	Basic user	A1	Basic user	A1	Basic user	A2	Basic user

(*) *Common European Framework of Reference for Languages*

Social skills and competences

Good level of humanistic culture: literature, films, music. Very interested on several sports (more as spectator than as player). He's got a long experience of activity in a company usually involved in international programs, in which he's been very often involved. He travelled for work in USA, UK, Russia, Belgium, France, Holland, Germany, Switzerland, Sweden, Poland.

Organisational skills and competences

Specific experience of coordination and administration of people, projects and budget, mainly in the work environment, but also at home, when needed.

Technical skills and competences	<p>Very good knowledge of the major issues related to the materials application in aeronautics (mainly composite materials), as well as the related processes; namely:</p> <ul style="list-style-type: none"> - Design issues - Material and process documentation (specifications, design manual, material qualification, material supplier qualification, process supplier qualification) - Material characterization (physical tests, chemical-physical tests, environmental tests, fire resistance and toxicity tests, biological resistance, NDI tests) - Production issues - Durability and "in service" issues - Quality issues <p>Very good knowledge of the major issues related to design, performing and management of material characterization labs, mainly for aeronautical applications, including people (selection, training and management), costs and times management, quality issues (lab certification), results evaluation and exploitation.</p>
Research Coordination and Management	<p>Very good knowledge of the major issues related to the research programs management, with several experiences as coordinator of national and international research projects, namely:</p> <ul style="list-style-type: none"> - Target planning, taking in account the available resources and costs - Partners and co-operations, both with Industry and Academia. - Financial support sources, including interfaces with the supporting Authorities - Training issues (when training projects are associated with the research ones)
Teaching Experience	<p>Very good knowledge of the major issues related to the certification requirements of the composite aeronautical structures, including the material characterization (mechanical, chemical-physical, rheological, environmental) and the specific material and process requirements</p> <p>Frequently involved in high level training as manager and teacher, mainly in the aeronautical material field, mainly composite materials.</p> <p>Specifically.</p> <p>Involvement as co-teacher in the Polymer Technology course of prof. Nicolais at the University of Naples, specifically for the part of Composite Materials for Aeronautical Applications, including preparation of lecture notes.</p> <p>Involvement as co-teacher with seminars in the Material Technology course of prof. A. Maffezzoli at the University of Salento – Lecce (italy), specifically for the part of Composite Materials for Aeronautical Applications.</p> <p>Involvement as co-teacher with seminars in the Material for Industrial Applications course of prof. R. Cioffi at the University Partenope of Naples (italy), specifically for the part of Composite Materials for Aeronautical Applications.</p> <p>Organization of internal Alenia Aermacchi training courses, for technical personnel of the design area, material technology, research area, laboratories and production, mainly in the composite material area, including material composition and properties, processing, design issues, quality control and documentation, certification, typical applications, cost issues and future trends.</p>
Computer skills and competences	<p>Good level of software know how, with knowledge of the office automation tools and some programming capability with scientific languages.</p>
Artistic skills and competences	<p>Good writing capability</p>
Other skills and competences	<p>Medium level chess player</p>
Driving licence	<p>Car Driving License (level B)</p>

Additional information

Reference: prof. Luigi Nicolais, past Italian Minister of Innovation of Public Administration, President of CNR (National Research Council)

M.I. is an expert of evaluation of Industrial Research Programs, included in the official list of experts of the MIUR (Italian Ministry of Education, University and Research)

M.I. is an expert evaluator of Research Programs for the European Commission

M.I. is member of the scientific board of CALEF, cluster for research and devp. On laser and electronic beam processing

M.I. has been for several years member of the Council of the European Society of Composite Materials (ESCM)

Annexes

List of papers and presentations at meetings/conferences

List of books

List of patents

List of papers and presentations at meeting/conferences

- 1) M. Iannone – Materiali Compositi per l'Aeronautica. Vision per Future Applicazioni – Meeting Nazionale Assocompositi, Milano (Italy) 6-7/5/2015
- 2) M. Iannone, F. Esposito and A. Cammarano – Thermoplastic Matrix Composites for Aeronautical Applications. The Amorphous/Semi-Crystalline Blends Option – Times of Polymers TOP 2014, Ischia (Italy) – 22 - 26 June 2014
- 3) M. Iannone – Compositi Multifunzionali Nano-Caricati per l'Aeronautica – Meeting Nazionale Assocompositi, Torino (Italy) 22-24/5/2013
- 4) M. Iannone – Aeronautical Composite Structures. A Proposal for the Use of “Dry” Properties – ICCST, Sorrento (Italy) – 24-26 April 2013
- 5) M. Iannone – Ageing of Hybrid Composites, Specific Issues – Times of Polymers TOP 2012, Ischia (Italy) – 10-14 June 2012
- 6) M. Iannone – Materials for Aeronautical Applications. Next Step – FUMAT 2011, Varsav (Poland) – 22-23 September 2011
- 7) An Integrated Approach to Analyze Long-term Moisture Transport in Honeycomb-core Sandwich Panels - D. Larobina, G. Mensitieri, A. Aldi, E. Calvi, M. Iannone, F. Manzi and L. Nicolais - Journal of Composite Materials, Vol. 44, No. 21/2010 2473-2486
- 8) M. Iannone – Future perspectives for thermoplastic based composites in aeronautics - SAMPE Europe Technical Conference SETEC 10, Brindisi (Italy) September 16-17, 2010
- 9) G.Mensitieri, D. Larobina, L. Nicolais, E. Calvi, M. Iannone – Modelling long term moisture sorption in honeycomb-core sandwich panel – SAMPE Europe Technical Conference SETEC 10, Brindisi (Italy) September 16-17, 2010
- 10) M. Iannone – Time Issues in Semi-Crystalline Thermoplastic Composites – Times of Polymers TOP 2010, Ischia (Italy) – 20-23 June 2010
- 11) I.Crivelli Visconti, E.Calvi, G. De Tommaso, P. Iaccarino, M. Iannone, R. Lenferink – Thermoplastic composites hot pres forming for aircraft applications: technical and cost overview – The Plac 2007 International Workshop on Thermoplastic Matrix Composites , Ostuni (Italy)- 28-29 Giugno 2007
- 12) I.Crivelli Visconti, G. De Tommaso, M. Durante, P. Iaccarino, M. Iannone, A. Langella, R. Lenferink, C. Voto – A mechanical characterization of the thermoplastic composite CF/PPS laminates under different stacking sequences – The Plac 2007 International Workshop on Thermoplastic Matrix Composites , Ostuni (Italy)- 28-29 Giugno 2007
- 13) M. Iannone - Ageing of composite aeronautical structure – Old and new issues – III International Meeting on Times of Polymers and Composites – 19-22 June 2006 Ischia Italy
- 14) A.Dattilo, M.Iannone, P.Mastronardi – Environmental Ageing of Fiber Metal laminates. Accelerated Exposure Issues – First World Congress on Corrosion in the Military, Sorrento (Italy) - 6-8 Giugno 2005
- 15) A.Dattilo, M.Iannone, P.Mastronardi – Invecchiamento ambientale di Fiber Metal laminates. Problematiche di esposizione accelerata – XVII Congresso nazionale A.I.D.A.A., Roma (Italy) - 15-19 Settembre 2003
- 16) L.Cutillo e M.Iannone – Welding of Thermoplastic matrix advanced composites. General issues – First International Workshop on thermoplastic matrix composites, Gallipoli (Italy) – 11-12 September 2003
- 17) A.Dattilo, M.Iannone, P.Mastronardi, C.Voto – Sulpho-Tartaric treatment of aluminium alloy surface. A new ecologically improved process – International Workshop on corrosion in aircraft structures and ground vehicles, Ravello (Italy) – 14-16 April 2003
- 18) L.Cutillo e M.Iannone – New materials for structural aeronautical applications. Some ageing issues – International Workshop on corrosion in aircraft structures and ground vehicles, Ravello (Italy) – 14-16 April 2003
- 19) A.Dattilo, M.Iannone, P.Mastronardi – Invecchiamento ambientale di Fiber Metal laminates. Problematiche di esposizione accelerata – XVII Congresso nazionale A.I.D.A.A., Roma (Italy) - 15-19 Settembre 2003
- 20) L.Cutillo e M.Iannone – Welding of Thermoplastic matrix advanced composites. General issues – First International Workshop on thermoplastic matrix composites, Gallipoli (Italy) – 11-12 September 2003
- 21) A.Dattilo, M.Iannone, P.Mastronardi, C.Voto – Sulpho-Tartaric treatment of aluminium alloy surface. A new ecologically improved process – International Workshop on corrosion in aircraft structures and ground vehicles, Ravello (Italy) – 14-16 April 2003

- 22) L.Cutillo e M.Iannone – New materials for structural aeronautical applications. Some ageing issues – International Workshop on corrosion in aircraft structures and ground vehicles, Ravello (Italy) – 14-16 April 2003
- 23) L.Cutillo e M.Iannone – Strutture aeronautiche in Materiale Composito. Relazione fra Costo delle Materie Prime e Costo dei Manufatti – XV Congresso nazionale A.I.D.A.A., Torino (Italy) - 15-19 Novembre 1999
- 24) M.Iannone – Composites in Aeronautics, the Material Cost Issue - ECCM-8 European Conference on Composite Materials, Naples (Italy) – 3-6 June 1998
- 25) M.Iannone, S.Inserra Imparato and R.Monaco – Development of Composite Empennage for Regional Transport Aircraft ATR – ECCM-8 European Conference on Composite Materials, Naples (Italy) – 3-6 June 1998
- 26) C.Scarponi, G.Briotti, R.Barboni, A.Marcone and M.Iannone – Impact Testing on Composite Laminates and Sandwich Panels – Journal of Composites Materials, Vol.30, N°17, 1996
- 27) M.Iannone, D.Irianni and C.Voto – Environmental Degradation of Composite Materials for Applications on a Supersonic Commercial Aircraft (SCT). Accelerated Ageing Method Substantiation - 7th European Aerospace Conference (EAC 94) Toulouse (France), 25-27 October 1994
- 28) M.Iannone, A.Marcone, M.de Leo and P.Ferraro – Impact Damage in Composites Controlling Factors – ICCM 9- Ninth International Conference on Composite Materials – 12-16 July, 1993 Madrid (Spain)
- 29) L.Torre, C.N.Velizaris, J.C.Seferis, J.M.Kenny, L.Nicolais and M.Iannone – Consolidation Studies of Thermoplastic Matrix Composites – Fifth European Conference on Composite Materials, April 7-10, 1992 Bordeaux (France)
- 30) C.Voto and M.Iannone – Environmental Resistance of Amorphous Bonded Thermoplastic Joints – AGARD Report 785 –1991
- 31) M.Iannone – Chimica e Materiali Aeronautici – Chemical Day – Napoli – 6 novembre 1992
- 32) J.Kenny, A.D'Amore, L.Nicolais, M.Iannone and B.Scatteia – Processing of Amorphous PEEK and Amorphous PEEK Based Composites – SAMPE Journal Vol.25, N°4, July/August 1989
- 33) A.Apicella, J.Kenny, L.Nicolais and M.Iannone – The Influence of Prepreg Ageing on the Chemorheology of Carbon Fiber Laminate Processing – The Fourth International Conference on Composite Structures, 27-29 July 1987, Paisley (U.K.)
- 34) A.Apicella, L.Nicolais, M.Iannone and P.Passerini - Thermokinetics and Chemorheology of the Cure Reaction of the Tetraglycidyl Diamino Diphenyl Methane – Diamino Diphenyl Sulfone Epoxy Systems – Journal of Applied Polymer Science, Vol. 29, N°6, June 1984, pp.2083-2096
- 35) M.Iannone e P.Passerini – Caratterizzazione Chimico-Fisica di Matrici Epossidiche per Compositi Avanzati – Giornate di Studio su Materiali Compositi e Schiume Polimeriche, Napoli, 6-8 Giugno 1983
- 36) M.Iannone, P.Passerini, A.Unmarino, C.Voto and A.Apicella – Mechanism of Plasticization in Water-Penetrated Epoxy Resin – 2nd Intercontinental SAMPE Conference, Stresa (Italy), 8-10 June 1982
- 37) M.Iannone, L.Nicolais, A.Priori and A.T.Di Benedetto - Growth Kinetics of Non-Interfering Crazes – Fifth International Conference on Deformation, Yield and Fracture of Polymers – Cambridge, 29 March to 1st April 1982
- 38) M.Iannone, L.Nicolais, L.Nicodemo and A.T.Di Benedetto – The Kinetics of Surface Craze Growth in Polycarbonate Exposed to Normal Heptane – Journal of Material Science, 17 (1982) 81-84
- 39) A.T.Di Benedetto, P.Bellusci, M.Iannone and L.Nicolais – Kinetics of Craze Propagation in Polymethylmethacrylate and Polycarbonate in N-Butyl Alcohol – Journal of Materials Science, 16(1981) – Letters
- 40) A.T.Di Benedetto, P.Bellusci, M.Iannone and L.Nicolais – Environmental Crazing of Polymethylmethacrylate and Polycarbonate – Rheology, Volume 3: Applications (1980) Plenum Press Publishing Corporation

List of Books

G. Mensitieri/M.Iannone, "Modeling accelerate ageing in polymer composites", Chapter 9 of: "Ageing of Composites" Woodhead Publishing Limited, September 2008.

M.Iannone – "Composite Materials for Aeronautical Applications" in "Encyclopedia of Composites", John Wiley and Sons, second edition (2012)

List of Patents

M. Iannone - European Patent (granted) 2109532 "Pre-impregnated material with semi-crystalline matrix and amorphous surface layer", published on the European Patent Bulletin of 2/3/2011.

M. Iannone - European Patent (granted) 2281224 "Procedure for prognostic of a structure submitted to loads" published on the European Patent Bulletin of 1/2/2012.

A.Apicella, M. Iannone, G. Iannuzzo and G. Sagnella - Italian patent application TO 2007 A000176, dated 8/3/2007: "Articolo di materiale composito con controllo di temperatura ed umidità, e procedimenti d'uso di un tale articolo"

International extension of the application TO 2007 A000176, PCT / IT 2007 / 000599 del 31/8/07, "Temperature and humidity-controlled composite material article, and methods for using such an article" – patent granted US 8,324,537 of 4/12/2012

M. Iannone - Italian patent application TO 2011 A000438, dated 17/5/2011 : "Materiali compositi resistenti agli agenti ambientali" (Environmental agents resistant composite materials)

M. Iannone - Italian patent application TO 2012 A000588, dated 4/7/2012 : "Procedimento per la diagnostica di una struttura sottoposta a carichi e sistema per l'attuazione di detto procedimento" (Procedure for diagnosis of a structure under loads)

M. Iannone - Italian patent application TO 2012 A000878, dated 9/10/2012 : "Sistema e metodo per la misurazione dell'umidità assorbita in un materiale composito" (System and method for measurement of the the absorbed humidity in a composite material)