

Dr Michelangelo Mortello, PhD CEng MWeld

Currently employed at Italiano della Saldatura – Ente Morale (IIS) - Genova headquarter

Manager of Corporate Research, Innovation, Strategic Partnerships and Public Funding

President of CALEF Technical Scientific Committee

Chairman of Research & Innovation Council at European Federation Welding, Joining, Cutting (EWF)

Chairman of Materials & Manufacturing Division at Polo EASS

Associate Editor - Coordinator Research, Innovation and Technology for Rivista Italiana della Sldatura

Member of International Additive Manufacturing Qualification Council (IAMQC)

Italian Delegate for International Institute of Welding (IIW) C-IV – Power Beam Processes

PhD in Mechanical and Management Engineering. SDA Bocconi in Public Private Partnership (PPP)

Chartered industrial engineer in Italy and UK. Work experience matured in France, UK, Italy.



Birth: 09-05-1986. Terlizzi (Bari) (ITALY)

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Latest degree: PhD

WORK EXPERIENCE

<p>Manager of Research, Innovation and Strategic Partnerships at Istituto Italiano della Saldatura (IIS) 20th Jan 2020- ongoing</p>		<ul style="list-style-type: none">▪ Research, Innovation and Training Portfolio management▪ Horizon, Erasmus, National funds Programme Manager▪ Corporate development at C-level across multiple areas▪ Strategic partnerships negotiation, management and implementation▪ New business lines development and implementation (testing, consulting, certification, training)▪ R&I product quality assurance▪ Proposal coordination and bid lifecycle management▪ Participation in international work committees▪ Supervision of PhD students, MSc students and apprentices
<p>Senior project leader at The Welding Institute (TWI) 3rd Dec 2017- 16th Jan 2020</p>		<ul style="list-style-type: none">▪ R&D technical project management and delivery (additive manufacturing, laser welding, binder jetting)▪ Proposal preparation▪ Develop and maintain interaction with customers▪ Lead the implementation of technical solution▪ Coaching, mentoring of PhD students
<p>Post-doc research scientist at Cranfield University + WAAM 1st May 2016- 30th Nov 2017</p>		<ul style="list-style-type: none">▪ Technology development for additive manufacturing, laser material processing, process monitoring and control▪ Optimization of process conditions (DOEs)
<p>Visiting PhD researcher at PIMM CNRS Paristech, 12 months across 2014-2015</p>		<ul style="list-style-type: none">▪ Researcher in laser material processing, Design of experiments, Material characterization (optical microscopy, SEM, X rays, tensile tests)
<p>PhD researcher and assistant of Professor at TISMA Politecnico di Bari, 24 months across 2013- 2015</p>		<ul style="list-style-type: none">▪ Researcher in Laser material processing, Design of experiments, Material characterization, Numerical analysis▪ Delivering lectures in material science and technology▪ Evaluator in oral and written examinations for students

EDUCATION

- **PhD** in laser-material processing (welding) at CNRS Paristech France /Politecnico di Bari (**honour endorsement DOCTOR EUROPE**) (2013-apr 2016)
- **Specialization course** in Public Private Partnership at Luigi Bocconi Business School SDA (2021)
- **Specialization course** in management of European projects at Eurocube (2014)
- **Specialization course** in advanced business and administration at Axia (2022)
- **MEng** (2 years) in manufacturing at Politecnico di Bari (**marks 110/110**) (2009-jul 2012)
- **BS** (3 years) in mechanical engineering at Politecnico di Bari (2005-feb 2009)

LANGUAGES

English: Advanced/Proficient

French: Basic

Spanish: Basic

Italian: Mother tongue

ICT TOOLS

Common IT tools: Office[®], AutoCAD[®], Solidworks[®], Ansys[®], CreoParametric[®], CNC machine programming (Gcode, Python[®], C), Security/compliance governance, business analytics, project management, CRM

INDUSTRY STANDARDS

Most familiar, but not being limited to: ISO, ASTM, ASME, BS

PATENT and SCIENTIFIC LITERATURE (Impact h-index: 13)

US Patent as inventor FABRICATION WITH REGULATED GRAIN FORMATION Publication number: 20210362264; Experimental Investigation of Material Properties in FSW Dissimilar Aluminum-Steel Lap Joints (**2021**); Transfer mode effects on Ti6Al4V wall building in wire laser additive manufacturing (**2021**); Laser-arc combined welding of aa5754 alloy (**2021**); On the laser scarfing of epoxy resin matrix composite with copper reinforcement (**2021**); Mechanical and microstructure analysis of AA6061 and Ti6Al4V fiber laser butt weld (**2017**); Effects of Laser Offset and Hybrid Welding on Microstructure and IMC in Fe–Al Dissimilar Welding (**2017**); Laser offset welding of AZ31B magnesium alloy to 316 stainless steel (**2017**); ANN modelling to optimize manufacturing processes: the case of laser welding (**2016**); A FEM model to study the fiber laser welding of Ti6Al4V thin sheets (**2016**); FEM Analysis of Fiber Laser Welding of Titanium and Aluminum (**2016**); FEM analysis of fiber laser offset welded homogeneous and dissimilar joints (**2015**); Ytterbium fiber laser welding of Ti6Al4V alloy (**2015**); Modeling and experimental analysis of fiber laser offset welding of Al-Ti butt joints (**2015**); Yb-YAG laser offset welding of Al5754 and T40 dissimilar butt joint (**2015**); Microstructural characteristics and mechanical properties in fiber laser beam welds of Ti6Al4V alloy (**2014**); Finite element model for laser welding of titanium (**2014**); Study on arc and laser powers in the hybrid welding of AA5754 Al-alloy (**2014**); Influence of shoulder geometry and coating of the tool on the friction stir (...) plates (**2013**).

VOLUNTEERING & PASSIONS

Vice President at **Istituto Italiano di Arti Musicali e Creative Palco ZENA – Promozione Sociale**

Volunteer rescuer at **Croce Blu Castelletto**,

Football, piano, music, travelling, hiking

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