

Dr Michelangelo Mortello, PhD

Currently employed at Istituto Italiano della Saldatura – Ente Morale (IIS)

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

Director of Educational Institution registered at AIF Register (Italian Trainers Association)

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

Chairman of Materials & Manufacturing Div. at Polo Ligure Energia, Ambiente, Sviluppo Sostenibile (EASS)

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

Chartered industrial engineer in Italy.



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

City: Living in Genova (ITALY)

Mobile: +39 3386776940

Mail address: michelangelo.mortello@iis.it

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▪ Erasmus and Horizon Programme Manager▪ Strategic partnerships management and implementation▪ New business lines (testing, consulting, certification, training) implementation▪ R&I product quality assurance▪ Proposal coordination and bid lifecycle management▪ Member and coordinator of international work committees▪ Develop and maintain interaction with customers▪ Public funding securing and management▪ Speeches delivery
<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▪ 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)▪ Supervising students
<p>Assistant of Professor Jan 2014 – Apr 2017</p>		<ul style="list-style-type: none">▪ Delivering lectures in material science and technology▪ Evaluator in oral and written examinations for students
<p>Visiting PhD researcher at PIMM CNRS Paristech, 12 months between 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 at TISMA Politecnico di Bari, 24 months between 2013- 2015</p>		<ul style="list-style-type: none">▪ Researcher in Laser material processing, Design of experiments, Material characterization, Numerical analysis, Supervising 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: Intermediate

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

SCIENTIFIC LITERATURE (Impact h-index: 13)

- *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)*
- *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

Volunteer rescuer at **Croce Blu Castelletto**, playing football, playing piano, climbing, gymnastic

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data".