

CV Francesco Marra

- Francesco Marra (26/01/1979) from 2019 is a tenure-track Assistant Professor (Sapienza – University of Rome, Faculty of Civil & Industrial Engineering – Dept. of Chemical Engineering Materials Environment).
- Ph.D. (2013) in Materials Engineering at Dept. of Chemical Engineering Materials Environment Sapienza – University of Rome. Thesis on “Thermal spray coatings development for new-gen thermal barriers”
- M.Sc. (5 years course) in Aerospace Engineering (2006) at Sapienza – University of Rome, Faculty of Civil & Industrial Engineering. Thesis on “Nanostructured coatings for anti-wear and thermal barrier applications”.
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- From 2006 to 2009 contract researcher at Dept. of Chemical Engineering Materials Environment and at INSTM (Interuniversity National Consortium on Materials Science and Technology)
- From 2009 to 2011 non-tenure track research fellow at Dept. of Chemical Engineering Materials Environment Sapienza – University of Rome.
- From 2011 to 2014 non-tenure Assistant Professor (Sapienza – University of Rome, Faculty of Civil & Industrial Engineering – Dept. of Chemical Engineering Materials Environment).
- From 2014 to 2016 contract researcher at Dept. of Chemical Engineering Materials Environment and at INSTM (Interuniversity National Consortium on Materials Science and Technology)
- From 2016 to 2019 non-tenure Assistant Professor (Sapienza – University of Rome, Faculty of Civil & Industrial Engineering – Dept. of Chemical Engineering Materials Environment).
- From Academic Year 2012-2013 teacher of the course: “Surface and thin films engineering and nanostructured materials”. Surface and engineering module (6 ECTS), Nanotechnologies Engineering (M. Sc), Sapienza – University of Rome
- From Academic Year 2015-2016 teacher of the course: “Materials and Technologies”. Materials properties module (9 ECTS), Industrial Design (B. Sc), Sapienza – University of Rome
- From Academic Year 2019-2020 teacher of the course: “Nanoparticles production and nanomaterials characterization”. Characterization module (3 ECTS), Nanotechnologies Engineering (M. Sc), Sapienza – University of Rome
- Supervised and tutored (concluded) of more than 60 Degree thesis (B. Sc. and M. Sc.) in Aerospace Engineering, Mechanical Engineering, Nanotechnologies Engineering, Chemical Engineering
- Supervision and tutoring of 4 PhD thesis (Materials Engineering and Nanotechnology)
- Supervision and tutoring of 2 Post-Doc Fellows (Materials Engineering)
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- From 2016 Member of the steering educational program committee, Nanotechnologies Engineering (M. Sc.), Sapienza – University of Rome
- From 2017 Member of the committee for the government professional qualification as a profession of engineer. Italian Engineering Society of Rome
- From 2018 Member of the communications and curriculum counseling committee, Nanotechnologies Engineering (M. Sc.), Sapienza – University of Rome
- From 2019 Member of Department Council (Sapienza – University of Rome, Faculty of Civil & Industrial Engineering – Dept. of Chemical Engineering Materials Environment)
- From 2019 Member of Faculty Council (Sapienza – University of Rome, Faculty of Civil & Industrial Engineering)
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- Two times winner (2009 and 2010) of the AIMAT NETWORK COMPETITION grant during the XV and XVI AIMAT summer school.
- Winner of “Nanoinnovation got talent” Prize at the Nanoinnovation Conference (2017)
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- Author of:
 - 42 Papers and 4 Conference Papers on peer-reviewed journals Author of more than 70 proceedings on national and international conferences
 - 2 papers on books, 1 book chapter (in press)
 - 745 citations, H-index 16
 - 1 patent applied (International)
- Participant in several research projects such as:
 - Integrated Project NANOKER (Structural ceramic nanocomposites for top end functional applications), WP5 “Surface functionality and composites” and SP10 “Aeroengines” (participant);
 - Research project funded by Italian Space Agency (ASI) ASA B2 “Advanced Structure Assembly” on the development of innovative thermal protection system in plasma sprayed ceramic coating for re-entry vehicles (participant);
 - ESA (European Space Agency) research project called CSTS2 (Crew Space Transportation Vehicle) on design and development of a European manned capsule for space exploration (participant);
 - Integrated University-Industry project STRALE “Materials and surface treatments for aerospace light-weight structures” (participant);
 - Industrial R&D activities funded by primary industrial partner WARTSILA (marine engines) on development of thermally sprayed coatings against corrosion and wear in marine environments (principal investigator)
 - Research project funded by European Space Agency BLAST on design and development of lightweight ablative thermal shields (participant)
 - Research project funded by European Community / Regione Toscana ATENE (Advanced Technologies for Energy Efficiency). Development of innovative production technologies for components operating in hostile environments (participant)
 - Research project funded by MIUR / CLUSTER AEROSPAZIO GREENING THE PROPULSION on the Development and testing of innovative coatings for oxidation protection of turbine blades in aeronautical engines (participant)
 - Industrial R&D activities funded by primary industrial partner ZANZI (special engine valves). Development of coatings for protection of valves for diesel engines by hot corrosion attack (principal investigator)
 - Research project funded by European Community / Regione Lazio MANUSPACE (Development of production techniques for special aerospace components) (principal investigator)
 - Industrial R&D activities funded by primary industrial partner GE Oil & Gas. Development of coatings for protection of compressor blades for gas extraction by erosion and corrosion attack (principal investigator)
 - Industrial R&D activities funded by primary industrial partner AVIO S.p.A. Development of ablative materials for rockets components (principal investigator)