

Prof. Federica Trovalusci

Associate Professor at the University of Rome "Tor Vergata" Department of Enterprise Engineering "Mario Lucertini" since 2019.

PhD in Engineering of Materials in 2008.

Her scientific activity is in the PE macro-sector 09/B1 - SSD ING-IND/16 Technologies and Manufacturing Systems. The research activity resulted in the production of 39 international publications on Journals, 2 Book Chapters and 17 Congresses.

Her works have 312 citations with an H_index = 9.

The main research topics are: Additive Manufacturing (characterization and optimization of processes); fluidized bed processes (finishing of complex components by AM); laser processes (characterization and optimization); moulding of thermoplastics (characterization and optimization of processes, production of samples of engineered materials); high performance coatings (formulation, deposition processes and characterization).

Participation in recent founded projects: responsible for the ESR03 of "MeDITaTe: Modelling and 3D printing for intracranial aneurysms surgery" H2020 - Marie Skłodowska-Curie Actions - Innovative Training Networks (2020-23); RU responsible in "ACME - Automezzi compattatori ad elevata funzionalità per la raccolta e il trasporto dei rifiuti urbani" POR FESR LAZIO 2014/2020 Lazio; participant in LIFE "Paint-it: A new environment-friendly manufacturing approach for marine antifouling coating" (2016-19); participant in LIFE - PLA4COFFEE (2015-17); participant in H2020 "ELSE - Enterprise Lazio and Sardegna for Europe" (2016 - 18); participant in "BRAIN - Pacchi batterie con sistema di raffreddamento rame-grafene" POR FESR 2014/2020 Lazio; participant in "COMETA - Contenitori multifunzionale 4.0 per sistemi elettronici aerospaziali" POR FESR 2014/2020 Lazio; participant in "MATAMAT - Macchina avanzata per la finitura superficiale di componenti prodotti con additive layer manufacturing" POR FESR 2014/2020 Lazio.

Patent: IT, RM2008 A000580 - "Processo di verniciatura per superfici metalliche"

Award: "Call for Ideas 2006" project "IUNET- Rete di Incubatori Universitari per l'avvio di imprese innovative - Università di Roma "Tor Vergata".

Teaching activities: Integrated production systems (6 CFU, Master's Degree); Computer aided production (6 CFU, Master's Degree); Industrial systems technology (3 CFU, Master's Degree); Technology for Capital Goods (3 CFU, Master's Degree).