

Curriculum Vitae

Edoardo Bemporad

PROFESSIONAL EXPERIENCE

Full Professor of Materials Science and Technology at the University of Rome "Roma Tre", Engineering Department

Born in Rome in 1965, Edoardo Bemporad is graduated in Nuclear Engineering and received a Ph.D. degree in Materials Engineering at the University of Rome "La Sapienza" in 1995. He was employed at the Italian National Research Council (CNR) with a position as a Technology Transfer Specialist from 1991 to 1995 and then he was appointed as an Assistant Professor at the Department of Mechanical and Industrial Engineering, University "Roma Tre", where he became Full Professor in 2005.

He is lecturer of several courses related to Materials Science and Technology and has been advisor of several PhD/master/bachelor degree theses.

Invited professor at the University of Science and Technology of Lille to the Laboratory of Mechanics Unit 8107 of CNRS (National Scientific Research Center) and Peer Reviewer for several scientific journals such as: Surface & Coatings Technology, Vacuum, Journal of Materials Science, Thin Solid Films, Journal of Thermal Spray Technology, Journal of Materials Research.

He is an expert in the research fields of surface engineering, thin films technology, and nano-mechanical characterization of small-scale structures and micro-devices, author of more than 110 papers published in international and national journals and refereed conference proceedings with an h-index of 20 and more than 900 citations.

He is in charge of the research activities of the materials science group at the Roma TRE Electron Microscopy Laboratory (LIME), mainly devoted to advanced characterization of coatings and interfaces (www.lime.uniroma3.it). He is also the in chief coordinator of the whole LIME facility.

At present, his interests lie in structured and nanostructured coatings, especially for wear resistance, corrosion resistance and high temperature oxidation. Moreover, he is nowadays coordinator of many public research projects (National and International) involving nanotechnologies, and responsible for several contracts and conventions between the department and private companies.

- Coordinator of the PhD Course in Mechanical and Industrial Engineering of the University Roma Tre since 2008.
- Member of the Scientific Board of the "Molecular Design" department of the Italian National Research Council (CNR, www.dpm.cnr.it)
- Member of the advisory board of the Italian Interuniversity Consortium on Materials Science and Technology (www.instm.it)
- Member of the board of directors of the consortium MATRIS since 2007
- Member of the board of directors of the consortium Roma Ricerche (2011-2014)
- Italian Government representative for the STEEL TECHNOLOGY PLATFORM-ESTEP of the European Commission (<http://cordis.europa.eu/estep>).
- Member of the Management Board of the A4MI platform (Alliance for Materials Italia) since 2012
- Consultant for the Italian Ministry of Research and the Italian Ministry of Economic Development and other national and EU institution as an expert for R&D projects.
- Consultant for law Court, public and private firms on Failure Analysis.