

Paolo M. Ossi – Curriculum Vitae

PhD in Solid State Physics “summa cum laude”, University of Parma (1979).
Presently: Associate Professor of Physics of Matter – Politecnico di Milano

Institutional teaching activity

PMO teaches the Course “Plasmas for Surface Micro and Nano-structuring” and the Course “Physics of Disordered Materials” at the Politecnico di Milano.

He is the coordinator of the specialised Courses on “Surfaces and Coatings” of the Doctorate in Materials Engineering, Politecnico di Milano.

He is the coordinator of the Course “Methods of Characterization of Materials” of the Doctorate in Materials Engineering, Politecnico di Milano.

He teaches the Course “On the Responsibility of Technique” of the PhD School, Politecnico di Milano.

Research

Modeling energetic beam-solid surface interaction; controlled nanoparticle synthesis by Pulsed Laser Deposition in dense gases and liquids; growth and evolution under solar irradiation of snow nanocrystals; structure, mechanical, optical properties of thin films of advanced ceramic and metallic materials.

Publications

More than 200 publications in International Journals; numerous invited contributions to international volumes; two patents.

Author of “*Disordered Materials – An Introduction*” (Springer, Berlin, 2nd Ed., 2006), “*Plasmi per Superfici*” (Polipress, Milano, 2006) and of the novel “*Ricreazione*” (Robin, Torino, 2017).

Honors

- Member, Scientific Advisory Committee, *Intl. Conf. on Photo-Excited Processes and Applications* (ICPEPA)
- Member, Board of Delegates, E-MRS (2004-2006)
- Italy Delegate (Surface Engineering) in *IUVSTA*, Intl. Union of Vacuum Science and Technology Associations (2007-2010; 2010-2013; 2013-2016; 2016-2019)
- Editor, *Applied Surface Science*, Elsevier
- Co-Editor, Springer Series “*Texts in Applied Physics*”
- Co-Director “*Venice International School on Lasers in Materials Science-SLIMS*” (2008; 2010; 2012; 2014; 2016; 2018), Venice, Italy
- Co-Director, Symposium “*Protective Coatings and Thin Films*” – E-MRS 2004 Spring
- Co-Director, Symposium “*Advanced Laser and Photon Processing of Materials*” – E-MRS 2012 Spring
- Co-Editor, “*Laser-Surface Interactions for New Materials Production*” (Springer, Berlin, 2010)
- Co-Editor, “*Lasers in Materials Science*” (Springer, Berlin, 2014)
- Editor, “*Advances in the Application of Lasers in Materials Science*” (Springer, Berlin, 2018)
- Associate Researcher, *National Institute for Laser, Plasma and Radiation Physics* – NILPRP, Bucharest, Romania
- Corresponding Member, *Accademia Peloritana dei Pericolanti*