PERSONAL INFORMATION **Marcello Cabibbo**

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POSITION PhD, Associate Professor

EDUCATION AND WORK EXPERIENCE

Professional tracks:
- Physics Degree (109/110) at the Alma Mater University of Bologna (1996);
- Ph.D. in Materials Engineering at the Università di Roma Tor Vergata (2000);
- Research scientist with the DIISM of the Università Politecnica delle Marche (10/2001 - 10/2007);
- Associate Professor from November 2007

Academic Awards:
2004. Third at a national ranking for the Materials Science Microscopy theme skills and research activities developed in the years 2001-2003. SISM: Italian Society of Microscopy Sciences); *2003*. Researcher-of-the-Year award from Università Politecnica delle Marche; *2002*. Young Researcher award from Università Politecnica delle Marche for a research project entitled: "XRD Texture study on AA2000 series aluminium alloys and on Ti-6Al-4V alloy"; *2000*. Young Researcher award from Università Politecnica delle Marche for a research project entitled: "TEM microstructure characterization of light alloys: Al and Mg".

Expertises:
Metallic materials: light alloys: aluminum, magnesium, titanium; ferrous alloys: low-carbon, HSLA, stainless steels, tool steels, cast-irons; nickel-based superalloys; cupper-based alloys.
Technological and metallurgical processes: severe plastic deformation techniques, such as equal-channel angular pressing (ECAP), and hot-pressure torsion (HPT) of light alloys; characterization of nano-structured multilayer coatings (TEM and FEGSEM); friction stir welding processing of light alloys; creep of light alloys, steels, and Ni-based superalloys; constitutive equations and hot deformation (torsion) of steels.
Characterization of metallic materials: TEM of powder metallurgy carbon steels, Ni-based superalloys, quasi-crystalline phases (Mg alloys), hot-isostatic pressed aluminum alloys, creep and hot-deformed metallic materials (steels and light alloys), coatings, thin films, nano-wires; XRD of recrystallization phenomena in aluminum alloys; TEM insights in the recrystallization mechanisms in aluminum and duplex stainless steels.

Bibliometric data (July 2016 update):
He is co-author of more than 170 journal papers, two-third of which published in peer-reviewed (ISI) international journals, and most of them as corresponding author.
Total publications recognized in Scopus: 117;
Total citations (Scopus): 1119;
Hirsch (h-index) (Scopus): 18.