



Antonio Ancona was born in Bari – Italy on May 21st, 1974. He received his Degree (cum laude) and PhD in Physics from the University of Bari in 1997 and 2002, respectively. After two-year experience as Post-Doctoral Research Assistant at the Physics Department of the University of Bari, he joined CNR where he has held the position of Senior Researcher, member of the Institute Council and head of the research unit of Bari of the CNR - Institute for Photonics and Nanotechnologies (CNR-IFN) until December 2020. Since 2021 he is Associate Professor in Experimental Condensed Matter Physics at the Physics Department of the University of Bari (Italy).

In 2007 he spent a 1-year sabbatical as visiting scientist followed by a DAAD research fellow at the IAP - Institut für Angewandte Physik of the Friedrich-Schiller-Universität Jena (Germany), exploiting leading research in the field of ultra-short pulse micromachining and materials modification for industrial and medical applications.

Since November 2015 he is currently Guest Professor in Production Technology at the University West in Trollhättan, Sweden.

His research activities span from the investigation of high-power laser material processes, with specific focus on laser welding and laser-based additive manufacturing, to laser ablation and surface structuring with ultrafast laser sources, as well as on the development of real-time process sensors and closed loop control systems for laser-based manufacturing.

The results of his work is published in more than 40 scientific papers in premier peer-reviewed journals, 3 book contribution, 2 patents as well as in more than 120 publications (h-index: 28, > 2400 citations, source: Scopus).

He has been scientific responsible of several regional, national and EU projects as well as research contracts for the benefit of SMEs. He acts as referee for more than 15 International Journals in the fields of Physics, Engineering, Photonics and Materials Science. He is member of the Editorial Board of the journal “Coatings” (IF 2.88) and “Micromachines” (IF 2.89) from MDPI. Since 2015 he is member of the Program Committee of the International Conference “Laser-based Micro- and Nanoprocessing” that is held annually in San Francisco at the SPIE Photonics West.