

Prof. Francesco Meinardi

University of Milano-Bicocca, Department of Materials Science, Via R. Cozzi 55, 20125 Milano, Italy

Phone: +39 02 64485181

e-mail: Meinardi@mater.unimib.it

#### Academic career:

FM is Associate Professor of Physics of Matter at the University of Milano-Bicocca. After his degree in Physics at the University of Milano (1992), he earned in 1995 a post-degree specialization in "Material Science and Technology". Then, he received several post-Doc research fellows by, among the others, Alenia Space (1996-1997) and by the National Institute for the Physics of Matter (1998). In 1999 he obtained the position of Assistant Professor in Experimental Physics at the Milano-Bicocca University and in 2005 that of Associate Professor of Physics of Matter. In 2013 he received the national habilitation as Full Professor of Experimental Physics of Matter.

#### Research activity:

FM research activity is focused on the photophysics and electronic properties of organic and hybrid materials. Main research topics deals with: cooperative effects in organic semiconductors, photophysics of conjugated oligomers, host-guest compound, organolanthanides complexes, colloidal nanoparticles and photon managing processes for solar applications. During his research activity, he worked also on inorganic materials for optoelectronic (silica based glasses, and scintillating glasses/crystals) and microelectronic (titanium disilicide). The main recent achievements concern the up-conversion of the solar radiation by using properly designed plastic multicomponent systems, and the development of a new generation of luminescent solar concentrators for building integrated photovoltaic systems.

#### Open Innovation and entrepreneurial activity

In 2016, with the support of a pool investors, FM founded the company Glass to Power and becomes its chairman. The aim of the company is the industrial production of Luminescent Solar Concentrators.

#### Research Projects:

FM was a member of more than ten national and European projects. In the last few years he was also the principal investigator of two national projects supported by the Cariplo Foundation, of a bilateral Italian-Belgium research project, and of an European CRG. In the same period, he obtained direct funding for applied research both from industrial companies (> 300 KEuro) and from Italian foundations (> 50 KEuro).

#### Institutional Roles:

In 2007 he organized the fourth edition of the "European conference on organic electronic and related phenomena". From 2000 to 2004 and from 2004 to 2008 he was voted to the board of the Materials Science Department. He is a referee of many scientific journals including, among the

others, PRL, Adv. Mater., J. Mater Chem., and of the different journals of the Nature Publishing Group. He also acted as evaluator for national (CNR, ANVUR) and international funding agencies (Nederland, Croatia, Rumania, Poland).

#### Teaching:

Prof. Meinardi has been teaching the following courses for the degrees in Physics, Materials Science, and Optics and Optometry: Molecular Electronics and Photonics, Light Interaction with Matters, Optical Properties of Materials, Photophysics of Vision, Spectroscopy, Experimental Physics.

#### Bibliometric Indexes:

Published papers on international journals with referee: 190  
Citations: more than 5100 (about 4600 excluding self citations)  
H-Index: 38 (H-index from 2013: 28)

#### Awards:

The research and industrial activity of FM won remarkable awards including: NextEnergy (finalist, 2018), Marzotto Venture Award (2017), Sette Green Award – RCS Editorial Group (2016), Innovation Research Grant (2016).

#### Granted Patents and patent applications:

International Patent: PCT/IB2016/0000, Inventors: S. Brovelli, F. Meinardi, F. Carulli  
Italian patent application: 102017000102364, Inventors: S. Brovelli, F. Meinardi  
PCT/US14/60303, 12014, Inventors S. Brovelli, F. Meinardi, V. I. Klimov  
Italian patent application 102016000042717, Inventors S. Brovelli, F. Meinardi  
Italian patent application MI2014A001235, Inventors F. Meinardi, J. Pedrini, A. M. Monguzzi, M. Salvalaggio