



Prof. Domenico Caputo

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Domenico Caputo was born in Angri (Salerno) in 1966. He obtained his degree in Chemical Engineering at the Università di Napoli Federico II in 1993, and his PhD in Materials Engineering from the Università di Roma La Sapienza in 1998.

Since November 2002 he is Associate Professor of Materials Science and Technology belonging to the Dipartimento di Ingegneria dei Materiali e della Produzione (merged, from January 2013, into the Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale) of the Università di Napoli Federico II. From November 1999 to October 2002 he was Research of Materials Science and Technology belonging to the same university.

He carried out an extensive and diverse educational activity. From 1999/2000 up to date he had in charge more than twenty-five university courses on subjects in the area of Materials Science and Technology.

From 2004 he is member of the PhD School in Materials and Structures Engineering, Università di Napoli Federico II. From 2000 to 2003 he has been member of the PhD School in Chemical, Materials and Production Engineering of the same university.

His research activity and scientific coordination is essentially devoted to the science and technology of microporous and mesoporous materials, as demonstrated by over 160 papers and 1 international patent mostly on synthesis and characterization of nanostructured microporous and mesoporous materials and their use as adsorbents and/or ion exchangers for energy and environmental applications, such as: (i) gas separation/purification; (ii) energy and gas storage; (iv) wastewater treatment; (v) stabilisation-solidification of toxic and noxious sludges.

He carried out research activity abroad at the Centro de Investigaciones y Desarrollo en Ciencias Aplicadas (CINDECA) in La Plata, Buenos Aires (Argentina) on topics involving synthesis of microporous and

mesoporous materials for industrial and environmental applications (1995 and 2005), and at the Department of Chemical Engineering of University of New Brunswick in Fredericton (Canada) on topics involving adsorption and diffusion kinetics of gaseous molecules in microporous materials (2001 and 2002). He has been Scientific Coordinator of the research project "Adsorbent materials for on board fuel cells vehicle hydrogen storage", funded by Italian Ministry of Education, University and Research in the frame of PRIN program 2007, and Scientific Responsible of the research project "Radionuclides removal from nuclear power plant wastewater by cation exchange using zeolitic materials and solidification/inertization of resulting sludge by vitrification/ceramization", funded by the European Union in the frame of Bilateral Cooperation Italy-Slovakia 2004-2007.

He has been member of Evaluation Committee of the ALbAN Program of the European Union.

He has been and currently is reviewer of several qualified international ISI journals and member of the Editorial Board of the World Journal of Nano Science and Engineering.

Since 2006 he is Secretary/Treasurer of the Associazione Italiana d'Ingegneria dei Materiali (AIMAT). From 2004 to 2007 he has been Secretary/Treasurer of the Associazione Italiana Zeoliti (AIZ).

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