

CURRICULUM VITAE

GABRIELE RICCHIARDI, Dr. (Associate professor)

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GR, graduated in Chemistry with honours at the University of Turin in 1992 and obtained a Doctorate in Chemistry for Engineering at the University of Genova in 1996. During his doctorate studies, dedicated to computational studies of catalysts, he spent periods of research training in San Diego (USA) and at the Royal Institution of Great Britain in London.

From 1996 to 1998 he has been post doc fellow at the “Arbeitsgruppe quantenchemie” of the Max-Planck Society at the Humboldt University in Berlin (Germany), developing new models of titanosilicate catalysts.

From 1998 to 1999 he moved to the industry Teksid SpA (Torino, Italy), to work on technical metallurgy and at the coordination of research activities.

From 2000 to 2015 he has been Faculty Researcher in Physical chemistry at the University of Turin, pursuing experimental and theoretical research in materials science in the group formerly directed by Prof. Adriano Zecchina. He is Associate Professor of Physical Chemistry at the same institution since May 2015.

GR has been teaching several theoretical and laboratory courses in the field of physical chemistry, molecular quantum mechanics, spectroscopy, photochemistry, computer resources in chemistry, and mineral resources. Since 2012 he coordinates the courses on Energy, Resources and Sustainability at the “Scuola di Studi Superiori” of the University of Torino.

The research activity of **GR** has developed at the borderline of theoretical and experimental materials science, with a focus on the study of molecule-surface interaction in catalysis, separations and gas capture/storage. At present, his main research activity are in the field of materials science for energy applications, encompassing catalysis, CO₂ capture and CO₂ activation.

Gabriele Ricchiardi has authored about 77 publications on international research journals, totalling approximately 3850 citations, with an “h-index” of 36.

From 2003 to 2013, **GR** has been secretary of the Centre of Excellence “Nanostructured Interfaces and Surfaces” of the University of Torino. From 2006 to 2012 he has been Scientific Director of the NISLabVCO, a spin-off of the Turin University devoted to industrial materials research. During 2012 he has been “Senior Visiting Fellow” at the Smith School of Enterprise and the Environment, University of Oxford, working on a project on the impact of chemical simulation on environmental challenges. He has been coordinator of several regional and national research project and participant to several European projects, both in applied industrial research and fundamental science. Within the University of Turin, he is member of the Scientific Board of the “Scuola di Studi Superiori” and of the “Osservatorio della Ricerca”.

Amateur musician since childhood, plays the historical flutes (recorder and traverso) in different consorts and collaborates with a group of musicians working at the reproduction of historical instruments, focusing on materials and acoustics.

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