

**Prof. Claudio Gerbaldi**

Politecnico di Torino - IT

**Claudio Gerbaldi** got his PhD in Material Science and Technology in 2006 at the Politecnico di Torino, where he is now Associate Professor of principles of chemistry for applied technologies and Chair of Chemistry from nine years. He is the leader of the Group for Applied Materials and Electrochemistry (GAME-Lab, <https://www.facebook.com/GAMELabPolito>) at the Department of Applied Science and Technology – DISAT, where he coordinates the activity of 1 Assistant Professor, 1 Graduated Technician, 3 Post-Docs, 1 Graduated Fellow, 3 Ph.D. Students and several Bachelor/Master Degree Thesis students. The specific mission of GAME Lab is the development and thorough characterization of innovative electrochemical energy storage and conversion systems, which are nowadays fundamental to exploit the full potential of future technologies requiring high performance, such as smart electronics, storage from renewables and electric transportation. The interests and skills of GAME Lab include the development of environmentally friendly materials (nanostructured electrodes and safe solid-state polymer and hybrid composite polymer electrolytes), along with their thorough physico-chemical and electrochemical characterisation, and innovative technologies for high-performance, lightweight and low cost devices, such as Li- and Na-based secondary batteries, Li-S cells, next-generation photovoltaic devices (dye sensitized solar cells - DSSC and perovskite solar cells) and photoelectrochromic devices, with strong collaboration with academy/research centers worldwide and effective connections with industry and EU. He is scientific coordinator (PI) of the research unit in EU H2020 projects and MSCA-ITN (e.g., Si-DRIVE, ENABLES, POLYSTORAGE), as well as National projects (e.g., PRIN project TRUST). He is also PI of research projects funded by International companies, including TOYOTA MOTOR EUROPE, SOLVAY S.A. and ENI.

He is author/co-author of about 135 scientific research articles published in international ISI journals (average I.F. > 5) with >1000 annual citation counts in recent years (>4700 total citations) and h-index 43 (source SCOPUS, 08/2019), 5 International granted patents, 4 research book chapters.

He has been visiting scientist at the MIT - Massachusetts Inst. Tech. (US), at the Hunter College and CUNY Graduate Center - The City University of New York (US), at the Cambridge Graphene Centre - University of Cambridge (UK) and participated in > 60 national/international conferences (>80 oral talks and/or poster presentations), 12 as distinguished invited/keynote speaker.

Among others, he has received the International “Roberto Piontelli” Award – International award assigned biannually by The Accademia dei Lincei, delivered in the presence of the President of the Italian Republic, for outstanding scientific or technological contributions in the field of electrochemistry for energy-related applications, corrosion or physical chemistry (2015) and the “UniCredit Award” for the Young Innovation in Research (2007).