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PhD, Associate Professor and Member of the Doctoral Program "Energy and Environment" at the Department of Astronautical, Electrical and Energy Engineering, Building Physics and Environmental Engineering Area, SAPIENZA University of Rome, Italy. Research field: Energy and applied energy, thermal and fluid dynamics, acoustics, natural and artificial lighting.

Member of national and international research groups supported by Italian and International Institutions (ENEA, CNR, MIUR, IEA, CIE, etc.). He was the member of the Centro Ricerca Progetto San Marco (CRPSM) for Aerospace Projects. Member of the Italian National Research Council-Conservation and Valorisation of the Cultural Heritage. He was senior consultant for the Italian Ministry of the Environment, to support the activities of the Ministry within International Organizations. Responsible of national research activities on lighting and on district heating.

He was Member of Technical Committee (TC) CIE-TC 4-52 "Lighting for Pedestrians: empirical data", CIE-TC 3-46 "Research Roadmap for Healthful Interior Lighting Applications", CIE-TC 3.49 "Decision Scheme for Lighting Controls for Tertiary Lighting in Buildings", CIE-TC 3-50 "Lighting quality measures for interior lighting with LED lighting systems", CIE-TC 3.51 "CIE Standard General Sky guide", among the others. He was co-chair of CIE JTC4 (Div.3-Div.6) "Benefits of Windows in Buildings during Daylight Hours".

He was the National Committee Member within CIE Div. 6 "Photobiology and Photochemistry", and the Member of the EERA (European Energy Research Alliance) JPI on Smart Cities. He was the Italian key-contact for the IEA Annex 45 (2004-2009) "Energy Efficient Electric Lighting for Buildings".

He is a reviewer for international conferences and scientific journals in fields of Energy and Environment (Energy and Buildings, Building and Environment, etc.), and the author of more than 150 papers published in International and National Conferences and Journals. He is Associate Editor of the Journal of Cultural Heritage (Elsevier) and of the International Journal of Photoenergy (Hindawi). He is within the Organizing and Scientific/Technical Committee of national and international conferences (IEEE, IBPSA).