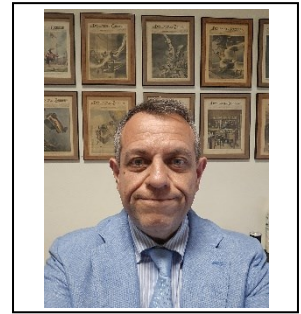


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Paper ID : 505

Paper Title : ANALYSIS OF PM2.5 AND PM10 IN CITY STREETS: ENVIRONMENTAL IMPACTS AND STRATEGIES FOR REDUCTION

Bio :

Dr. Viola received the "Laurea" degree in Electrical Engineering from Università degli Studi di Palermo, Palermo, Italy, in 2002 and the Ph.D. in Electrical Engineering from the same institute in 2006.

In 2008 Dr. Viola joined the Department of Electrical, Electronic and Telecommunication Engineering of the University of Palermo as researcher.

Dr. Viola began his research in October 2002 at the Department of Electrical, Electronic and Telecommunication Engineering of the University of Palermo, as Ph.D student. His research interests are in the field of Electromagnetic Compatibility and Energy. In particular, Dr. Viola during his activities collaborated in national research programs and international programs, on "Numerical Analysis" and "Electrical Systems for Energy".

Dr. Viola has developed research methods in various aspects of electromagnetic compatibility in industrial environments, with particular reference to the development of analytical and numerical models for the determination of the electromagnetic field and electromagnetic interference between systems. Dr. Viola developed models to predict energy production of photovoltaic systems and also designed energy harvesting with microwatts of power. Dr. Viola developed models to study the behaviour of system in high voltage in AC and in DC.

He has been included in the "World's top 2% of Scientists" list since 2020, drawn up by Stanford University, in the career and single year category.