

CURRICULUM VITAE
of
Pietro Colella

Pietro Colella received the Master degree and the Ph.D. degree in Electrical Engineering from Politecnico di Torino, Torino, Italy, in 2012 and 2016, respectively. He is currently Assistant Professor in the Department of Energy at Politecnico di Torino, working in the Power Systems group. Since 2021, he got the national scientific qualification as associate professor in the recruitment field 09-E2, "Electrical Energy Engineering". He is responsible of the course "Electrical Systems for Buildings", for the Master degree in Building Engineering, and works as a teaching assistant to several courses for the degree in Electrical Engineering, such as "Fundamental of Electrical Systems".

His research activities include modelling and optimization of distribution and transmission networks, traction electrification systems for railways and tramways, and electrical safety. He co-authored 19 publications on international peer-reviewed journals, and 27 conference proceedings on various topics related to power systems and electrical engineering.

He patented an innovative methodology to protect Class II electrical equipment against overvoltages.

He was Guest Editor of the journal Smart Cities, for the special issue "Innovative Energy Systems for Smart Cities" in 2022. He was Publication Chair of the "International Conference AEIT HVDC", held in Florence, Italy, in May 2019, and member of the local support team of the "IEEE International Conference on Innovative Smart Grid Technologies IEEE ISGT Europe 2017", held in Turin, Italy, in September 2017.

He is reviewer for several international journals and conferences related to power systems and electrical engineering.

He is participating in several National and International research and consulting projects, collaborating tightly with industries, including railway and tramway operators, the Italian transmission system operator and some of the biggest distribution system operators in Italy.

Since January 2019, he is president of the Young Member Group of the AEIT – Piemonte and Valle d'Aosta. He is member of IEEE, AEIT, GUSEE and ENSIEL.