

# ICSMARTGRID 2020

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Massimo Caruso received the M.S. and Ph.D. degrees in electrical engineering from the University of Palermo, Italy, in 2008 and 2012, respectively. In 2011, he joined the MEMS Sensors and Actuators Laboratory Group, University of Maryland, College Park, MD, USA, collaborating for the development of electric micromotors and drives for in vivo bacteria biofilm detection and treatment. In 2014, he joined the Sustainable Development and Energy Saving Laboratory, University of Palermo, Italy, focusing his research activities on the design, simulation and experimental development of electrical machines and drives for industrial and sustainable energy applications.