EUROPEAN MICROWAVE ASSOCIATION

Roberto Sorrentino Prize



Xiaoqiang (Sean) Gu

Xiaoqiang (Sean) Gu received his M.Eng. in optical engineering from Zhejiang University, Hangzhou in China in 2015, and his Ph.D. in electrical engineering from the École Polytechnique Montréal, Montreal, QC, Canada, in 2020. His research interests include energy-efficient emerg ing wireless technologies, wireless power harvesting, backscattering, RFID, battery-free sensing and communications, and nonlinear circuit analysis and design. He is currently a Lecturer at theUniversity of Bristol.

Dr. Gu's main scientific contributions are in the field of rigorous modelling of nonlinear devices and the co-optimisation of circuit- and system-level architectures for energy harvesting, backscatter communications and multifunctional RF transceivers, where his work has significantly advanced the field. He was among the recipients of the 2025 IEEE Microwave Magazine Best Paper Award for their contribution entitled "Radiative Wireless Power Transfer: Where We Are and Where We Want to Go".

Next to his scientific activities, Xiaoqiang Gu's already impressive curriculum vitae stands out particularly by his sustained contributions to IEEE and EuMA communities. This is exemplified by for example serving as a focused/special sessions chair for the EuMW2026, and by hosting a EuMA internship twice.

The Roberto Sorrentino Prize, named in his remembrance, has been initiated by Linda Di Carlo Sorrentino in cooperation with RF Microtech, the Italian EM Society (SIEm) and EuMA. It recognizes an outstanding young professional who has distinguished technical achievements (not on a single paper) within the microwave field. This prize focuses on the individual rather than on specific achievements and would preferably be in yearly alternation between university and industry. The annual prize comprises a certificate, a medal and a financial award of € 4,000, contributed by Mrs. Linda Di Carlo Sorrentino, RF Microtech, SIEm, and EuMA.

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