

The TC 39 (Measurements in Power Systems) of the IEEE Instrumentation and Measurement Society was founded in 2009 to create a reference for many members of the society working in the field of definition and characterization of measurement systems, devices, components and methods for modern power grids. It was awarded the outstanding TC during I2MTC 2017.

The current roster of the TC includes nineteen members from eight countries.

Since the beginning, the main activity of the Technical Committee has been the organization and sponsorship of the IEEE International Workshop on Applied Measurements for Power Systems (AMPS), whose first seven editions were held in Aachen (Germany), yearly from 2010 to 2016, while the eighth edition has been in Liverpool (UK), September 20-22, 2017. The workshop is meant to provide a forum where qualified people can deeply discuss the different aspects related to instrumentation and measurement in power system applications and bring up critical opinions and innovative solutions to the challenges engaged for the new generation of measurement equipment. Over the years, AMPS, which is also the opportunity for TC 39 to act as a bridge between academia and practitioners, has continuously grown up, in terms of both number of contributions and attendees, gaining high reputation in the scientific community. Furthermore, the Transactions on Instrumentation and Measurement hosts, in a dedicated Special Section, the technically extended versions of some of the papers presented at AMPS, selected after a careful peer review process.

TC 39 also organizes special sessions in larger conferences, such as the Special Session on “Measurements for emerging power systems” at I<sup>2</sup>MTC 2016, May 23-26, 2016, Taipei, Taiwan, and the Special Session on “New Power Quality measurement issues in modern power systems”, proposed for the forthcoming I<sup>2</sup>MTC 2018 to be held next year in Houston, Texas, USA.

The other main activity of TC 39 is represented by standards development. In particular, in the last years a joint project with TC 38 of IEC (Instrument Transformers) has been promoted to define a new Dual Logo Standard (IEEE-IEC). The Project Authorization Request P61869-105 “Recommended Practice for Uncertainty Evaluation in the Calibration of Instrument Transformers” has been approved on May 2017 by IEEE Standard Association.