

Name

Mean4SG: Metrology Excellence Academic Network for Smart Grids

Tagline

Improving today the smart grids of the future

One sentence

MEAN4SG network aims to educate 11 young researchers in the smart grids metrology field by constructing a sustainable training network gathering the whole innovation value chain.

Bullet points

MEAN4SG tackles the main research challenges in the smart grids metrology field identified by the European R&D community:

- Power quality analysis
- Smart grids modelling and management
- Advanced monitoring through Phasor Measurement Units applications
- Smart cable diagnosis.

These main goals have been divided into eleven specific objectives, which will be assigned to the fellows, for them to focus their R&D project, PhD Thesis and professional career.

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MEAN4SG is a Marie Curie Innovative Training Network (ITN) for early stage researchers (ESR) funded by the European Commission under the H2020 Programme the EU framework programme for research and innovation.

The project tackles the main research challenges in the smart grids metrology field identified by the European R&D community: (1) power quality analysis, (2) smart grids modelling and management, (3) advanced monitoring through Phasor Measurement Units applications and (4) smart cable diagnosis.

These main goals have been divided into eleven specific objectives which will be assigned to the fellows, for them to focus their R&D project, PhD Thesis and professional career. This way MEAN4SG will educate 11 young researchers in the smart grids metrology field to address each of these specific objectives by constructing a sustainable training network gathering the whole innovation value chain.

The training plan includes intra-network activities, as well as network-wide initiatives. Each fellow will be exposed to three different research environments from both, academic and industrial spheres. All the network activities will be developed in accordance with the established in the Ethical Codes and Standards for research careers development, looking therefore for talent, excellence and opportunity equality.

The main EU actors in the field of smart grids metrology have worked together, under the umbrella of the European Association of National Metrology Institutes (EURAMET), and relying on the support of the International Electrotechnical Commission, in order to design a training program coping with the principal R&D challenges related to smart grids metrology while tackling the shortage of highly-skilled professionals on this area that has been foreseen by the European Commission, the electricity grids industrial sector and the academia.