



**2015 International Symposium on  
Smart Electric Distribution Systems and Technologies (EDST)  
CIGRE SC C6 Colloquium**

*Vienna, Austria – September 8-11, 2015*

**Special Session on**

**Controller Conflict Identification, Resolution and Coordination in  
Future Active Distribution Networks**

**organized and co-chaired by:**

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**Call for Papers**

Technical Outline of the Session and Topics:

Active distribution networks will bring a growing number of controls in power systems which will activate numerous distributed resources, affecting both distribution and transmission system operation. In conventional paradigm of passive distribution network operation, control at distribution level was of little concern to overall grid stability. Increasingly active networks, however, are likely to also contain control systems which cause conflicts with other controls or operating objectives, locally as well as in context of regional and global controllers. New approaches are required to identify conflicting controllers early, coordinate different control schemes in several time scales, across voltage levels and with multiple stakeholders involved. Finally methods for experimental detection of conflicts and validation of coordination schemes are desirable.

Topics of interest include, but are not limited to:

- Distribution level congestion management
- Coordinated voltage control schemes
- Provision of ancillary services from distribution connected units
- Demand response impact on distribution grid operation
- Novel coordinated control schemes for distribution grids
- New market solutions for distribution grid flexibility services
- Protection coordination in presence of demand response and distributed energy resources
- Innovative management of DER at the distribution network.

**Submission of Special Session papers: for details see [www.edst2015.org/timelines.html](http://www.edst2015.org/timelines.html)**

All the instructions for paper submission are included in the conference website: [www.edst2015.org](http://www.edst2015.org)

This session is organized in conjunction with [FP7 ELECTRA](http://www.fp7-electra.eu) and the [EERA Joint Program Smart Grid](http://www.eera.eu).

