

Call for Contributions

Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ENERGY+2018+Special>

Please select Track Preference as **DGFS**

Special track

DGFS: Distributed Generation and Frequency Support

Chairs and Coordinators

Associate Professor, Renato Procopio, University of Genoa, Italy

renato.procopio@unige.it

along with

ENERGY 2018, The Eighth International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies

May 20, 2018 to May 24, 2018 - Nice, France

<http://www.aria.org/conferences2018/ENERGY18.html>

In the recent years, power systems are facing more frequency stability challenges with distributed generation units interfaced to the grid by means of power electronic converters (e.g. large-scale wind power plants). If, from one side, traditional synchronous generators can support frequency transients releasing part of their kinetic energy and/or thanks to their droop based control, on the other hand, all the rotating machines connected to the network via electronic converters are absolutely insensitive to frequency deviations.

Therefore, suitable frequency control schemes are required for power systems with high penetration of such generation units to maintain the frequency deviations inside the appropriate region.

Prospective authors are invited to submit original papers on topics including, but not limited to:

- Frequency support control schemes for renewables at different hierarchical levels, i.e. single generation units (e.g., wind turbine), power plants (i.e. wind farm) and power system level controls.
- The use of storage devices for frequency support
- Coordination control between the traditional AGC-controlled thermal plants and renewables for frequency support
- Reports on experiences of dangerous frequency transients occurred in networks with high penetration of renewables (e.g., small/medium islands).
- Coordination between frequency support and other ancillary services from renewables.

Important Datelines

- Inform the Chairs: As soon as you decided to contribute

- Submission: ~~February 7, 2018~~ **March 28, 2018**

- Notification: ~~March 7, 2018~~ **April 5, 2018**

- Registration: ~~March 21, 2018~~ **April 10, 2018**

- Camera ready: ~~April 2, 2018~~ April 20, 2018

Note: *These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.*

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>
- Conference proceedings are sent for indexing to ISI Thomson Reuters by Filodiritto/InFOROmatica Publisher, Italy

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

Contacts

Chairs: Renato Procopio, renato.procopio@unige.it

ENERGY logistics: steve@iaia.org