

Call for Contributions

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

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ENERGY+2019+Special>

Please select Track Preference as **OMR**

Special track

OMR: Observability of Power Systems and Measurement Redundancy

Chair and Coordinator

Dr. Hatim G. Abood, The University of Western Australia, Australia hatim.abood@research.uwa.edu.au

along with

ENERGY 2019, The Ninth International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies

June 2-6, 2019 Athens, Greece

<https://www.iaia.org/conferences2019/ENERGY19.html>

Studies on utilizing the measurements (including: conventional measurements, Phasor Measurement Units (PMU), and smart meters) has grown dramatically in the last decade due to the necessity for secure and robust power system monitoring. The PMUs transmit the highly-accurate measurements to the control centers, which is essential requirements for Smart Grids and Wide-Area Monitoring System (WAMS). However, the cost of the PMUs, the limitation of the Satellite channels, and the linear collinearity with the existing conventional SCADA meters are still fundamental challenges to the measurement design. On the other hand, measurement redundancy is required for achieving complete observability in contingency cases and for state estimation of the power system.

Prospective authors are invited to submit their original contributions for review and publication in the **following topics:**

- Inclusion of the conventional measurements and the phasor measurements for power system State Estimation and contingency analysis.
- Redundancy and collinearity of the measurements in modern power systems.
- Placement of SCADA and smart meters considering the different constraints of the power system applications.
- Optimal placement of PMUs)

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]

Important Datelines

- Inform the Chair: As soon as you decide to contribute
- Submission: April 7, 2019
- Notification: April 27, 2019

Registration: May 5, 2019

Camera-ready: May 5, 2019

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

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>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ENERGY+2019+Special>

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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>

Contact

Hatim G. Abood: hatim.abood@research.uwa.edu.au

Logistics: steve@iaia.org