



CALL FOR PAPERS

This international event promotes all aspects of the theory and applications of Computational Intelligence. With its hosting of over thirty technical meetings in one location, it is bound to attract lead researchers, professionals and students from around the world. Sponsored by the IEEE Computational Intelligence Society, the 2011 edition follows in the footsteps of the SSCI 2007 meetings held in Honolulu and of the SSCI 2009 series held in Nashville. The event will take place in the magic town of Paris.

IMPORTANT DATES

Paper Submission Due: October 31, 2010
Notification to Authors: December 15, 2010
Camera-Ready Papers Due: January 15, 2011

Please visit www.ieee-ssci.org

or contact ssci2011@poleia.lip6.fr for

submission information and additional details

Computational Intelligence (CI) evolves computational models and tools of intelligence capable of handling large raw numerical sensory data directly, processing them by exploiting the representational parallelism and pipelining the problem, generating reliable and just-in-time responses, and having high fault tolerance. Smart grid is basically the embedding of intelligence to enable bidirectional power flows with traditional sources of power generation, renewable sources and energy storage. CI deployment is essential in smart grid to make it a success. Research and deployment of smart grid technologies are being promoted by governments of many countries as a way of addressing energy independence, emission reductions, and bringing resilience to electricity infrastructures. The Symposium on CI Applications in Smart Grid (CIASG) aims at bringing researchers and engineers from academia and industry together to present, interact and review the latest progresses in this emerging field, and to explore future research directions to address its challenges.

TOPICS COVERED: CIASG invites authors to submit their original and unpublished work in the applications of CI to Smart Grid, including the following, but not limited to:

- Algorithms for modeling, control and optimization
- Communication and control
- Cyber security
- Demand side management
- Distributed energy resources
- Dynamic equivalents
- Emissions
- FACTS
- Markets and economics
- Methods and algorithms for real-time analysis
- Optimization
- Planning, operation and control
- Plug-in vehicles
- Renewable energy
- Smart micro-grids
- Smart grid education
- Smart sensing
- Synchrophasors
- Wide area monitoring, control and protection
- Visualizations for control centers

CIASG Chair

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