

# International Conference on Cognitive Computing and Information Processing CCIP – 2015 (2 – 4 Mar 2015)

JSS Academy Of Technical Education, Noida



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## Call for Papers

The CCIP 2015 is the first international conference on cognitive computing and information processing domain being held in India. Cognitive computing and information processing is a multi-disciplinary research field that addresses the development of intelligent systems inspired by the Cognitive science and Neuropsychology to implement brain like mechanism for better learning, reasoning and engaging. Development of such systems helps in addressing problems across different fields like computational intelligence, artificial intelligence, system sciences, cognitive robotics, knowledge engineering, neuroscience and informatics. This conference aims at bringing researchers, graduate students, practitioners from industry to report and review current progress in the field of cognitive computing and information processing.

Researchers are encouraged to submit their original contributions in both theoretical and application perspectives on subject areas including, but not limited to the following:

### Cognitive Computing

- Machine Learning
  - Meta-Cognitive Learning
  - Self-regulatory learning
  - Consciousness and cognition in learning
  - Collaborative/competitive Learning
  - Online / Sequential Learning
- Neural computing
  - Neural networks
  - Fuzzy systems
  - Neural fuzzy networks
  - Spiking neural network
  - Complex-Valued neural network
- Neural models of memory
- Cognitive sensor-networks
- Neurocontrol
  - Brain-computer interface
  - Brain signal processing
- Artificial intelligence
- Evolutionary computing
- Swarm Intelligence
- Machine collaboration
  - Cognitive robots
  - Multi-agent systems

### Applications

- Medical Informatics
- Structural health monitoring
- Intelligent Control Systems
  - Process Control
  - Aerospace control system
  - Structural control
- Bio informatics
- Smart manufacturing
- Smart grids
- Image/Video processing
- Financial prediction
- Video Analytics
- Medical image and signal processing

### Paper Submission

Potential authors may submit their original and unpublished research work for consideration. Paper submission would be through easy chair paper submission system. Submitted papers will undergo a peer review process. All accepted papers must be presented in person by at least one of the authors. All presented papers will be published in the conference proceedings and will be listed in ISI, Scopus and other abstracting and indexing databases. In addition, extended versions of some selected papers from CCIP-2015 will be considered for publication in various reputed international journals (details will be given later).

### Important Dates

Paper Submission: 1st Oct 2014

Paper Acceptance: 30 Nov 2014

Final Submission : 20 Dec 2014

