***ICCMIT’19***

***VIENNA, AUSTRIA***

***March 2019***

***“Signal Processing Advances in Modern Engineering Systems”***

***Conference Chair***

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Cutting edge technologies for the generation, transformation, and interpretation of information are enabled by the analysis and modeling of data representation of physical events. These techniques are studied and developed under the branch of electrical engineering known as Signal Processing. The track covers the theoretical and practical aspects of signal processing systems, analog and digital. The purpose of this Special track is to bring together leading experts, practitioners, academicians, scientists, researchers and post-graduation students from around the world to collaborate and elaborate on the current achievements in the fields of *signal processing advances in Modern Engineering systems*. This track challenges in providing a valuable opportunity for signal processing researchers to gain advanced knowledge by face to face discussions in a wide variety of application areas with a common interest in improving signal processing in networks, communication, information and control systems.

Researchers are hereby invited to submit a full paper (5–6 pages) detailing their research, or a short paper (max 4 pages) describing their work-in-progress. All submitted papers will be subject to peer reviewing by at least two reviewers for technical merit, significance and relevance to the topics. Paper preparation guidelines are available in the author information webpage for ICCMIT’19. Submission implies the willingness of at least one author per paper to register, attend the conference and present the paper. Proceedings will be submitted to IEEE Xplore after the conference for publication. Authors of selected articles will be invited to submit an extended version to a Special Issue of prestigious Journals.

Technical paper submissions are solicited, but not limited to, in the following areas:

* Signal processing in control communications systems
* Signal processing in optical communications systems
* 3-D Image processing systems
* Stereoscopic movie processing systems
* Signal processing in security applications
* Signal processing in digital finance systems
* Signal processing in energy and power systems
* Signal processing in genomics and bioengineering.
* Signal processing for social media networks
* Neural signal processing
* Seismic signal processing
* Statistical signal processing
* Graph-theoretic signal processing
* Artificial intelligence systems ( algorithmic and architectural)
* Big data processing
* Heterogeneous information processing
* Multimedia transmission, indexing and retrieval systems
* Signal processing of control networking systems
* Real-time DSP architecture implementations
* Soft computing methods in modelling
* Adaptive systems identification
* Robust control systems
* Neural networks
* Evolutionary computing
* Fuzzy techniques (single or multiple objective)
* Emerging soft computing techniques
* Hybrids of soft computing systems
* Hybrid uses of conventional and soft-computing methods
* Smart systems, sensors, actuators and distributed systems
* Fault management and knowledge processing and representation
* Intelligent agents Real-time aspects of intelligent control
* Training and adaptation algorithms
* Constructive algorithms
* Structures for soft-computing
* Design methodologies
* Architectures for real-time soft-control
* Parallel processing
* Reconfigurable control( FPGA or Mutli-core)

**Paper Submission**

* **Author instructions and paper template can be found in the conference web site:**
* **Paper submission in word document to:**

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* **Registration Details are available on:**

**Important Dates**

* **Full Paper submission Date:**
* **Acceptance notification:**
* **Camera Ready paper:**
* **Conference Date:**

**Steering International Technical and Reviewing Committee of the Track**

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