



CALL FOR PAPERS

Special Session

Intelligent Image and Multimedia Signal Processing

Organizer

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We are facing an exploding growth of image and multimedia signal processing in these recent years. These advancements are induced by new generation of computations, i.e. deep neural computing and learning representation approaches. The deep learning drives to a new trend in the computer vision task, image/signal, as well as multimedia processing. The image and multimedia signal processing allow wider range of algorithm developments into some advanced applications. It enables us to access and exploit some useful information from imaging data. Despite of enhancing the quality of imaging data, we are also able to perform high level cognitive tasks such as classification, recognition and analysis of multimedia data.

Intelligent algorithms profoundly change the way of tackling and solving a rich variety of challenging problems in the image and multimedia signal processing. This new paradigm exploits some "intelligent" or "model-free" techniques for solving the complex problems or even poorly formalized using mathematical model. The intelligent algorithm overcomes this aforementioned problem by simply using the automated generated features obtained from learning process. The generated features, somehow, are more robust compared to that of the human hand-crafted and engineered features. This special session offers a forum for scientists and researchers to disseminate the emerging research fronts precipitated, but not limited to the following cores:

- Deep learning
- Learning representation
- Visual neural computing
- Neural network-based multimedia systems
- Intelligent image and multimedia signal processing
- Ill-posed inverse imaging, signal, and multimedia problem
- Sparse coding and representation
- Dictionary and sparsity learning
- Image, signal, and multimedia denoising
- Inpainting problem
- Colorization of imaging and signal data
- Quality enhancement
- Efficient compressing and coding
- Information security of imaging and multimedia data
- Secret sharing and watermarking
- Nature-inspired image and multimedia signal processing
- Metaheuristics-driven image and multimedia signal processing

IMPORTANT DATES

Special sessions submission deadline: ~~January 21, 2020~~
February 17, 2020 (Final)

Acceptance notification : March 16, 2020
Camera-ready deadline : March 30, 2020

More Info <http://ict-20.org>

SUBMISSION GUIDELINES

Acceptance will be based on full paper. Prospective authors are invited to submit high-quality original technical papers **following the rules of the Main Track**. All presented papers will be published in **ICT 2020 Proceedings** and **submitted to IEEE Xplore**.

Submit your paper to: <https://edas.info/N26920>

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