SCOPE

The state-of-the-art image processing research works are dedicated to cover a wide range of computational intelligence techniques with a completely new way of neural networks organization concept called Capsule Networks [CapsNets] that opens up a new era of advanced image-processing applications. It is being organized on May 6-7, 2020 in association with King Mongkut's University of Technology Thonburi, Thailand, Dayeh University, Taiwan, Tribhuvan University, Nepal, and RVS Technical Campus, India. Moreover, this International Conference on Image Processing and Capsule Networks [ICIPCN 2020] initiates a capsule network perspective to leverage an authoritative and detailed representation to deliver an enhanced image and video recognition and adaptive processing mechanisms which were closely related to the humanistic way of thinking. This extended ICIPCN 2020 conference will be a dedicated platform for researchers, academicians and scholars to share and exchange their valuable research insights, which may clearly define the image and the family of image processing techniques and applications. Henceforth, this premier International conference motivates the researchers to discover more information from images and perform innovative image analysis procedures by efficiently utilizing the evolving capsule network models.

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CALL FOR TOPICS

ICIPCN 2020 welcomes he prospective authors to submit their research works that covers the different aspects of image processing and analysis techniques. All the research papers should state their research novelty and state-of-the-art contributions towards image processing architectures and applications.

IMAGE PROCESSING

Image recognition and Analysis
Image Registration
Image segmentation and edge detection
Image texture analysis
Medical imaging systems
Image acquisition, reconstruction and synthesis
Feature Extraction techniques
Medical image diagnosis
Image reconstructions and losses
Medical interpretability and explainable deep learning frameworks
Image processing for multispectral images
Image enhancement and restoration
Image formation principles
Pattern recognition and capsule networks in object tracking
Face and gesture recognition techniques
Cognitive vision of image processing

CAPSULE NETWORKS

Capsules in image analysis
Deep learning in image analysis
Pattern recognition
Machine Learning
Data mining
Big data analytics and imaging
Visual content analysis
Capsule based Fuzzy systems
Human-visual systems
Robotic vision of image processing
Capsules in adaptive image processing
Machine learning in capsule neural networks

Capsule implementation in image systems
Capsules and digital image processing techniques
Machine vision-based capsule networks
Industrialized capsule networks
Artificial intelligence in capsule networks

SUBMISSION

FORMAT

All papers must be formatted according to the Springer AISC template, with a maximum length of 15 pages including figures and references in Microsoft Word Format 2007, Microsoft Word Format 2003, Latex Format.

All proposed papers must be submitted in electronic form (DOC/DOCX format) using the ICIPN submission management system or through Email [icipcn.conf@gmail.com].

REGISTRATION

Author: 200 USD*
Listener: 150 USD
*Maximum number of pages per paper: 15

PUBLICATION

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VENUE

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(ICIPCN-2020)

May 6-7, 2020

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