

Call For Papers

Special Session: Designing Lightweight Networks for Image Restoration

Conference: The 2022 International Conference on Cyber-physical Social Intelligence (ICCSI)

Date: October 21-24, 2022

Location: Nanjing, China

Meeting mode: Hybrid

Web site: <https://iccsi2022.agist.org>

With the development of big data technology, images have become carriers of human-computer interactions. However, due to illuminations, weather, camera shake, noise, collected images are damaged. Thus, image restoration techniques are useful to address this problem. Specifically, due to strong learning abilities, convolutional neural networks are widely used in image restoration. Also, deeper or wider network architectures become popular for image restoration. However, that may cause huge computational costs. Thus, how to design a lightweight network is very important for image restoration, which is very help to high-level vision tasks, i.e., face recognition, satellite monitoring and medical diagnosis. Inspired by that, we host a special session to bring together the research accomplishments provided by researchers from academia and the industry. The other goal is to show the latest research results in the field of attention technology and understand how governance strategy can influence it. We encourage prospective authors to submit related distinguished research papers on the subject of both: theoretical approaches and practical case reviews.

Interested topics include (but not limited to):

- Lightweight Networks for Image Restoration
- CNNs for Image Restoration
- Deep Learning for Image and Video Processing
- NLP
- Image Recognition
- Object Detection
- Smart Robot
- Smart Cyber Security

Important Dates:

May 15, 2022,	Full paper submission
July 1, 2022,	Acceptance/Rejection notification
August 31, 2022,	Final camera-ready papers due

Special Session Co-chairs:

Associate Professor. Chunwei Tian (Northwestern Polytechnical University, China), email chunweitian@nwpu.edu.cn

Associate Professor. Bo Li (Northwestern Polytechnical University, China), email libo803@nwpu.edu.cn

Associate Professor. Wenqi Ren (Chinese Academy of Sciences, China), email rwq.renwenqi@gmail.com

All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above