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## Call for papers

The 12<sup>th</sup> European Workshop on Visual Information Processing (EUVIP 2024) <https://www.euvip2024.org/> will be held on 8<sup>th</sup>-11<sup>th</sup> September 2024, in Geneva, Switzerland. The first day will be dedicated to (one-day) tutorials. The workshop will bring together leading experts from academia and industry interested in visual information processing, its applications and performance assessment for all types of visual modalities. The program will feature lecture, poster and plenary sessions, as well as special sessions and tutorials.

### Topics of interest include, but are not limited to:

#### Modalities:

- Medical imaging (PET/, SPECT, CT, MRI, US, optical)
- Multimodality medical imaging (PET/CT, SPECT/CT, PET/MRI, PET/optical, ...)
- Conventional image and video
- Stereoscopic, multi-view and 360° image and video
- Light fields, point clouds, meshes and holography
- Multi-spectral and hyper-spectral imaging

#### Visual information processing tasks:

- Quantitative medical imaging, image reconstruction, analysis and processing
- Sensing, representation, modelling and registration
- Computational vision modelling and processing
- Perceptual-based processing
- Deep learning-based visual information processing
- Restoration, denoising and enhancement
- Detection, recognition, retrieval and classification
- Coding and transmission
- Analysis and understanding
- Synthesis, rendering and visualization
- Distributed visual information processing

#### Performance assessment:

- Subjective and objective image quality
- Multimodal image quality
- Quality of experience
- Task-based performance
- Immersive experiences
- Emerging performance assessment methods

#### Applications, services, architectures and systems:

- Biometrics, forensics, trust and security
- Augmented and virtual reality
- Personal communications and social networks
- Gaming and broadcasting
- Medical, education, cultural and industry
- Drones and autonomous vehicles
- Cloud-based and distributed architectures and systems
- Emerging applications, services, architectures and systems

Prospective authors are invited to submit full-length papers, with a maximum of 6 pages of technical content, figures, and references, through the submission system (CMT). Submitted papers will undergo a double-blind review process and so the authors affiliations and names should not be included or disclosed. Accepted papers will be presented in lecture or poster session. Regular papers presented at the conference will be included in the workshop proceedings. As in previous editions, the committee will request publication of accepted papers in the IEEE Xplore database.

### IMPORTANT DATES

**Special Session Proposals:** 1<sup>st</sup> April, 2024

**Special Session Notifications:** 7<sup>th</sup> April, 2024

**Tutorial Proposals:** : 1<sup>st</sup> April, 2024

**Tutorial Notifications:** 7<sup>th</sup> April, 2024

**Paper Submissions:** **7<sup>th</sup> may, 2024**

**Paper Notifications:** 15<sup>th</sup> June, 2024

**Project Dissemination/Industry demos Submissions:** 30<sup>th</sup> June, 2024