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December 5 – 8, 2021, Munich

CALL FOR PAPERS

VCIP is one of the oldest conferences in the field of visual communications and image processing and a flagship conference of the IEEE Circuits and Systems Society (CAS) Visual Signal Processing and Communications Technical Committee. Since 1986, VCIP has served as a premier forum for the exchange of fundamental and applied research in the field of visual communications and image processing. VCIP 2021 will be hosted in the beautiful city of Munich and it inherits the tradition of previous conferences in providing a fertile ground for leading engineers and scientists from around the world to disseminate their research outcomes and push forward the frontiers of knowledge within these and related areas. The conference theme of 2021 is “**Visual communications in the era of AI and limited resources**”. VCIP 2021 topics cover but are not limited to:

- Emerging Techniques for Image and Video Coding Standards
- Image and Video Compression Beyond Standards
- Evaluation of Image and Video Coding Standards
- Video Coding for Machines
- Compression of Neural Networks for Visual Communications
- Dynamic Point Cloud Capture and Compression
- Image/Video Privacy
- Advanced Techniques for Immersive Video
- Visual Communications
- Visual Processing Embedded Systems and Architecture Implementations
- Cloud Multimedia Systems, Applications and Services
- Multimedia Content Analysis, Representation, and Understanding
- Machine Learning for Multimedia
- Multimedia and Multimodal User Interfaces and Interaction Models
- Multimedia Networking, Multimedia Traffic Management
- Efficient and Massively Scalable Multimedia Service Distribution
- Multimedia Delivery, Multimedia Broadcasting
- Mobile Multimedia, Wireless Multimedia Communications
- Low Delay and Multipath Video Communications over 5G networks
- Automated Machine Learning for Visual Signal Processing
- Multi- and Hyper-spectral Image Communications

Submission of Regular and Demo Papers: Prospective authors are invited to submit four-page full-length papers, including results, figures and references, with one optional 5th page containing only references. Furthermore, VCIP 2021 considers the submission of one-page demo papers with a description of proposed working systems.

Tutorial and Special Session Proposals: Researchers, developers, and practitioners from related communities are invited to submit proposals for organizing tutorials and special sessions on various emerging topics described above. Tutorials will be held on December 5, 2021. Proposals must include title, outline, contact and biography information of the presenter, and a short description of the material to be distributed. Special session proposals must provide title, rationale, contact and biography information of the organizers, and a list of possible papers with tentative title and abstract. Special session papers will be regularly reviewed. Papers accepted for regular, special, and demonstration sessions must be registered and presented to assure their inclusion in the IEEE Xplore Library. Awards will be given to a number of papers with best quality. Please visit the VCIP 2021 website (<http://www.vcip2021.org/>) for additional information regarding paper and proposal formatting instructions and submission details. Enquiries about the conference can be directed to: vcip2021@tnt.uni-hannover.de

Important Dates

Submission of Tutorial and Special Session Proposals	28 March 2021
Notification of Tutorial and Special Session Proposals	12 April 2021
Submission of Papers for Regular, Demo and Special Sessions	13 June 2021
Paper Acceptance Notification	30 August 2021
Submission of Camera-Ready Papers and Registration	10 October 2021