



ISIVC'2020: The 10th International Symposium on Signal, Image, Video and Communications

June 30 - July 3, 2020 / Saint-Étienne (France)

<https://isivc2020.sciencesconf.org/>

THE 10TH INTERNATIONAL SYMPOSIUM ON SIGNAL, IMAGE, VIDEO AND COMMUNICATIONS ISIVC 2020 WILL BE HELD IN THE ECOLE NATIONALE SUPÉRIEURE DES MINES IN SAINT-ETIENNE, FRANCE, ON JUNE 30-JULY 3, 2020.

ISIVC is a high-level international forum and an important event for researchers, engineers and scientists from around the world to present and discuss recent advances, technologies and applications in the fields of Signal, Image, Video Processing and Communications. In 2020, a particular attention will be given to a novel **special session focused on Image Analysis for Chemical Engineering**. The symposium will feature world-class speakers, plenary, regular, poster and special sessions as well as business and industrial exhibits.

TOPICS OF INTEREST INCLUDE THE FOLLOWING TRACKS, BUT ARE NOT LIMITED TO

Track 1-SAP: Signal and Audio Processing

Audio and Acoustic Signal Processing
Biomedical Signal Processing
Signal Processing Theory & Methods
Signal Processing for Big Data
Machine Learning for Signal Processing
Speech Processing
Spoken Language Processing
Signal Processing for Smart Systems
Signal Processing for Cyber Security
Signal Processing for Brain-Machine Interface
Signal Processing Education
DSP Processors and FPGA Applications
Intelligent Transport Systems

Track 3-DCN: Digital Communications and Networking

Channel Modeling and Propagation
Coding for Wireless Systems
Detection, Estimation, and Synchronization
Modulation Techniques (CDMA, OFDM, etc.)
Multiuser and Multiple Access Schemes
Ultra Wide-band Systems
Vehicular Networks
Wireless Multimedia Communication
Wireless Adhoc and Sensor Networks
Network Mobility and Task Coordination
Network Performance, Reliability, and QoS
Wireless System Architectures and Applications
Wireless Traffic and Routing
Wireless Sensors Networks

Track 2-IVP: Image and Video Processing

3D imaging, stereovision and virtual reality
Image, video and object indexing and retrieval
Analysis, modeling and understanding
Classification, clustering and segmentation
Enhancement, restoration, filtering and denoising
Color, multi-spectral and perceptual processing
Compression, coding and watermarking
Tracking and real-time imaging
Pattern recognition and Machine learning
Applications: Medical imaging, Biometrics, Forensics and Remote Sensing
Image and Video Processors architectures

Track 4- DSA: Data Science and Applications

Data mining
Machine learning, Web-Mining, Information Mining
Predictive Analytics; Knowledge Discovery
Databases and Information Integration
Information Retrieval Methods;
Information Visualization
Model-Driven Engineering
Model Verification and Validation
Applications :
- Big Data
- Data Analytics in Business Enterprises
- Internet of Things
- Smart Home, Smart City, ...
- Soft Computing
- Natural Language

PAPER SUBMISSION

Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this symposium. **Accepted and presented papers as well as the symposium content will be submitted for inclusion into IEEE Xplore.** Authors are invited to submit full-length papers of no more than six pages including results, figures and references. For submission instructions and templates for the paper format, please look at the [submission guidelines](#).

IMPORTANT DATES

- Special Session Proposals Due: **November 30, 2019**
- Notification of Special Session Acceptance: **December 15, 2019**
- Paper Submission Due: ~~January 15, 2020~~ / **Extended deadline: February 5, 2020**
- Notification of Paper Acceptance: **March 31, 2020**
- Registration: **April 30, 2020**
- Camera-Ready Papers Due: **May 15, 2020**

GENERAL CHAIR

- J. Debayle, MINES Saint-Etienne, France

GENERAL CO-CHAIRS

- K. Minaoui, FSR, Mohammed V University, Rabat, Morocco
- A. Rivenq, UPHF, France
- S. Saoudi, IMT Atlantique, France

STEERING COMMITTEE CHAIR

- S. Saoudi, IMT Atlantique, France

STEERING COMMITTEE

- S. Ben Jebara, Sup'com Tunis, Tunisia
- A. Benazza-Benyahia, Sup'com Tunis, Tunisia
- P. Borne, Ecole centrale de Lille, France
- F. Castanié, ENSEEIHT Toulouse, France
- J. M. Chassery, ENSIEG, France
- F. X. Coudoux, UPHF, France
- M. Daoudi, ENIC/INT, France
- A. Delbimbo, Florence University, Italy
- K. El Baamrani, Cadi Ayyad Univesity, Marrakech, Morocco
- R. Ellassali, ENSA, Marrakech, Morocco
- F. Ghorbel, CERT, Tunisia
- C. Gueguen, GET, France
- A. Hammouch, ENSET, Mohammed V University, Rabat, Morocco
- S. Hemami, Cornell University, USA
- M. Jaidane, ENIT LAB, Tunisia
- C. Labit, INRIA Rennes, France
- K. Minaoui, FSR, Mohammed V University, Rabat, Morocco
- E. Mouaddib, Polytechnique-Nantes, France
- M. Najim, Bordeaux I University, France
- A. Rivenq, UPHF, France
- S. Saoudi, IMT Atlantique, France
- F. Sedes, Paul Sabatier University Toulouse III, France
- J. Vidal, UPC, Spain
- M. B. G. Zapira, Spain

TECHNICAL PROGRAM CHAIRS

- F. X. Coudoux, UPHF, France
- J.-C. Pinoli, MINES Saint-Etienne, France
- M. Rzaia, FSR, Mohammed V University, Rabat

ORGANIZING COMMITTEE CHAIR

- Y. Gavet, MINES Saint-Etienne, France

ORGANIZING COMMITTEE

- G. Berthezene, MINES Saint-Etienne, France
- S. Courant, MINES Saint-Etienne, France
- J. Debayle, MINES Saint-Etienne, France
- Y. Gavet, MINES Saint-Etienne, France
- S. Magand, MINES Saint-Etienne, France

