



IEEE International Conference on Acoustics, Speech and Signal Processing

March 5-9, 2017 New Orleans, USA
Internet of Signals

Call for Papers

General Chair

Magdy Bayoumi,
U. of Louisiana at Lafayette

Program Chairs

Tülay Adali, *UMBC, USA*
Eli Saber, *Rochester Inst. of Tech*

Special Sessions Chairs

James Fowler, *Mississippi State U.*
Akihiro K. Sugiyana, *NEC, Japan*

Tutorial Chairs

A. K. Katsaggelos, *Northwestern U.*
M. Mansour, *American U. Beirut*
R. de Queiroz, *C. U. D. Riberio, Brazil*

Plenaries Chairs

Edward Delp, *Purdue U.*
Ahmed Tewfik, *U. of Texas at Austin*

Student Papers Contest

Keigo Hirakawa, *U. of Dayton*
S. Theodoridis, *U. of Athens, Greece*

M.Sc./Ph.D Forum Chairs

Ahmed Abdelgawad, *C. Michigan U.*
Patrice Abry, *E. N. S. Lyon, France*
Mayssaa Al Najjar, *UL at Lafayette*

Women in Engineering

Anna Scaglione, *Arizona State U.*

Finance Chair

Ahmed Abdelgawad, *C. Michigan U.*

Publicity Chairs

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International Committee

Jean-luc Dugelay, *Eurecom, France*
Jesef V. Lillie, *IEEE Cust. Elec. Soc.*
S. Rahardja, *NW. PolyTec. U. China*

Exhibit Chair

Nam Ling, *U. of Santa Clara*

Industrial & Innovations

Khaled El-Maleh, *Qualcomm, US*
H. Wang, *TCL Research America, US*
Tao Mei, *Microsoft, China*

Demos

Yen-Kuang Chen, *Intel*
Nam Ling, *U. of Santa Clara*

Advisors:

Lian-Gee Chen, *National Taiwan U.*
V. Clarkson, *U. of Queensland, AUS*
Scot Douglas, *SMU*
John Mathews, *U. of Utah*
Mark Smith, *Purdue U.*

Management

Billene Cannon, *Conference Management Services, Inc.*

Website

Zaghloul Saad Zaghloul, *CACS*

As music and rhythm are the heartbeats of life, signal and information processing is the heartbeat of technology development for our daily life. Having both of them capture the hearts and souls of all the attendees is the goal of the 42th International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2017) which will be held in Hilton Conference Centre, at the Jazz music capital (New Orleans, USA) on March 5-9, 2017. ICASSP is the world's largest and most comprehensive technical conference focused on signal processing and its applications. The conference not only introduces new developments in the field but also provides an engaging forum to exchange ideas, and does so both for researchers and developers. The theme of the ICASSP 2017 is "The Internet of Signals" which is the real technology and world behind the Internet of Things. The conference will feature world-class international speakers, tutorials, exhibits, lectures and poster sessions from around the world. Topics include but are not limited to:

- Audio and acoustic signal processing
- Bio-imaging and biomedical signal processing
- Design & implementation of signal processing systems
- Image, video & multidimensional signal processing
- Industry technology tracks
- Information forensics and security
- Machine learning for signal processing
- Multimedia signal processing
- Remote Sensing and signal processing
- Signal Processing for Smart Systems
- Sensor array & multichannel signal processing
- Signal processing education
- Signal processing for communication & networking
- Signal processing theory & methods
- Signal processing for Big Data
- Internet of Things and RFID
- Speech processing
- Spoken language processing
- Signal Processing for Brain Machine Interface
- Signal Processing for Cyber Security
- Computational Imaging

Submission of Papers:

Prospective authors are invited to submit full-length papers, with up to four pages for technical content including figures and possible references, and with one additional optional 5th page containing only references. A selection of best papers will be made by the ICASSP 2017 committee upon recommendations from Technical Committees.

Special Sessions:

Special session proposals should be submitted by July 11th, 2016. Proposals for special sessions must include a topical title, rationale, session outline, contact information for the session chair, a list of authors, and a tentative title and abstract. Additional information can be found at the ICASSP 2017 website (www.ieee-icassp2017.org).

Tutorials:

Brief proposals for tutorials should be submitted by September 15th, 2016. Proposal for tutorials must include a title, an outline of the tutorial and its motivation, a two-page CV of the presenter(s), and a short description of the material to be covered. Tutorials will be held on March 5th, 2017.

M.Sc./Ph.D. Forum:

The forum will provide an opportunity for M.Sc./Ph.D. students in the fields of electronics, circuits, and embedded systems to present their thesis/dissertation research (completed in the last year), including work in progress within the topics of interest for ICASSP 2017. To encourage interaction among the M.Sc./Ph.D. students and researchers from academia, industry, and government, the forum will be organized as a poster session. A two-page paper on the thesis work will appear in the conference proceedings.

Signal Processing Letters:

Authors of SPL will be given the opportunity to present their work, subject to space availability and approval by the Program Chairs. SPL papers published between January 1st, 2016 and December 31st, 2016 are eligible. Because they are already peer-reviewed and published, SPL papers presented will neither be reviewed nor included in the ICASSP proceedings. Approved papers must have one author/presenter register for the conference.

Demos:

ICASSP 2017 offers a perfect stage to showcase innovative ideas in all technical areas of interest at ICASSP. All demo sessions will be highly interactive and visible. Please refer to the ICASSP 2017 website for additional information regarding demo submission.

Deadlines:

Special session proposals: **July 11th, 2016**
Tutorial proposals: **September 15th, 2016**
Notification of special session acceptance: **August 15th 2016**
Notification of tutorial acceptance: **October 15th 2016**
M.Sc./Ph.D. papers due: **November 8th, 2016**
Demo proposals due: **November 8th, 2016**
Submission of regular papers: **September 12th, 2016**
Registration of SPL papers: **November 21st, 2016**
Notification of M.Sc./Ph.D. papers: **November 30th, 2016**
Notification of acceptance of demos: **November 30th, 2016**
Notification of paper acceptance: **December 12th, 2016**
Author registration: **January 9th, 2017**

