Welcome to ICASSP 2017

Plenary Speakers

David Nahamoo · Rana El-Kaliouby · K.J. Ray Liu · Jan Rabaey

Student Paper Contest

- The finalist papers will be presented in a poster session Monday evening during a reception.

- The winning papers will be selected by the committee of judges and will be announced on Thursday evening reception.

Ph.D./M.Sc. Forum

- A PhD/MSc poster presentation will take place Monday evening.

- A panel of judges will select the top poster presentations .

NSF Panel

Research and Funding Opportunities in SP at NSF

- Time: **Monday, March 6, 13:30 - 15:00**
- Location: **Grand Ballroom**

NSF Panel Cont.

- Chair: **Ali H. Sayed**

- Panelists:

    Richard Brown, *NSF Program Director*
    John *Cozzens*, *NSF Program Director*
    Al Hero, *University of Michigan*
    Thrasos Pappas, *Northwestern University*
    Vince Poor, *Princeton University*
    Rabab Ward, *University of British Columbia*

Open Problems in SP

- **Time:** Monday, March 6, 16:00 – 18:00
- **Location:** Royal

- **Chairs:**
  - ➢ *Yonina Eldar*
  - ➢ *Al Hero*
- **Panelists**
  - ➢ *Jelena Kovacevic*, Carnegie Mellon University.
  - ➢ *Jeff Fessler*, University of Michigan.
  - ➢ *Steve Young*, University of Cambridge.
  - ➢ *Li Deng*, Microsoft Research.

Acoustics Forum

Speakers

Natalia A. Sidorovskaia
University of Louisiana at Lafayette

Azmy S. Ackleh
University of Louisiana at Lafayette

Thomas S. Chance, *ASV Global, LLC.*

Internet of Things Forum

- Internet of Signals: Challenges and Opportunities

- Time: Wednesday, March 8, 13:30-15:30
- Location: Jackson

Internet of Things Forum

- ## Organizers:

Khaled El-Maleh

Senior Director of Technology in the IP Department of Qualcomm

Haohong Wang

General Manager, TCL Research America

Internet of Things Forum

- Panelists:

John Apostolopoulos
VP & CTO for Enterprise
Segment, and Cisco, USA

Yen-Kuang Chen
Principal Engineer,
Intel Labs, USA

Bhaskar Krishnamachari
Professor, USC Viterbi
School of Engineering

MATLAB Workshop

- Real Time Audio & Wireless Signal Processing with MATLAB

- Speakers:
  - ➢ **Ric Losada**
  - ➢ **Houman Zarrinkoub**

- Time: Wednesday, March 8, 10:00 - 12:00
- Location: Jackson Room

IEEE IoT Workshop

- The 1st IEEE IoT Initiative Workshop on IoT Curricula.

- *Thursday, March 9, 2017,*

- *8:30 – 18:00 (Jackson).*

- **The purpose of the Workshop:**

    Identify effective educational and training curricula for researchers, practitioners, and managers involved with the Internet-of-Things covering Undergraduate, Graduate, and Continuing Education.

IEEE IoT Workshop

- **Sponsors:**

  IEEE Signal Processing Society.
  IEEE IoT Activities Board.

- **Supported BY:**

  IEEE Council of RFID.

- **Chairs**

  ➢**Magdy Bayoumi**
  ➢**Adam Drobot**

IEEE IoT Workshop

- ## Speakers:

  - ➢ **Jan Rabaey**, *University of California at Berkeley.*
  - ➢ **Yen-Kuang Chen**, *Intel Cooperation, Santa Clara, CA*
  - ➢ **Anna Scaglione**, *Arizona State University.*
  - ➢ **Jeffrey Voas**, *National Institute of Standards and Tech.*
  - ➢ **Mary Ann**, *Georgia Tech.*

Welcome Reception

- **Conference Welcome Reception**
  Sunday, March 5, 18:30-20:30

  "***A Taste of New Orleans***"

  A taste of JAZZ and Zydeco music and dancing.

Banquet

- *Time:* Tuesday, March 7, 19:00
- *Location:* Grand Ballroom

"Mardi Gras Night"

The second largest Mardi Gras Carnival will take place on Tuesday before the conference.

Jazz Dinner Cruise

- A Jazz Dinner Cruise, for interested attendees.

- Please note that this is an event you will need to book on your own at:

  https://book.bigeasy.com/index.php/BigEasy/a09002_CQICA

  OR ask in the Reception Desk

Talent Show/Student Awards

- ***Time:*** *Thursday, March 9,* **18:00 - 20:00**

- ***Location:*** *Cambridge*

Can you sing and/or play music, this is your opportunity to share with our community

(*details and planning instructions to follow soon*)

Committees

- *Technical Program Chairs*

Tulay Adali
University of Maryland, Baltimore County

Committees

- *Technical Program Chairs*

Eli Saber
Rochester Institute of technology

Committees

- *Special Sessions Chairs*

James Fowler
Mississippi State University

Akihiko K. Sugiyama

Committees

- *Tutorial Chairs*

Aggelos K. Katsaggelos
**Northwestern
University, USA**

Ricardo de Queiroz
**Campus University
Darcy Riberio, Brazil**

Mohammad Mansour
**American University
Beirut**

Committees

- *Plenaries Chairs*

Ahmed Tewfik
University of Texas at Austin

Edward Delp
Purdue University

Committees

- *Student Paper Contest Chairs*

Keigo Hirakawa
University of Dayton

Sergios Theodoridis
University of Athens, Greece

Committees

- *M.Sc/Ph.D Forum Chairs*

Patrice Abry,
Ecole Normale Superieure de Lyon, France

Mayssaa Al Najjar
University of Louisiana at Lafayette

Ahmed Abdelgawad
Central Michigan University

Committees

- *Finance Chair*

Ahmed Abdelgawad
Central Michigan
University

Committees

- *Publicity Chairs*

Tarek Elarabi
PennState Behrend

Fatma Taher
KUSTAR, UAE

Committees

- *International Committee*

Jeseph V. Lillie
IEEE Customer Electronics Society

Susanto Rahardja
Northwestern Polytechnical University, China

Jean-luc Dugelay
Eurecom, France

Committees

- *Industrial and Innovation Chairs*

Khaled El-Maleh
Qualcomm, US

Haohong Wang
**TCL Research
America, US**

Tao Mei
Microsoft, China

Committees

- *Demos*

Yen-Kuang Chen
Intel

Nam Ling
University of Santa Clara

Committees

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Lian-Gee Chen

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Scot Douglas

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Mark Smith

Committees

- *Management*

Billene Cannon
**Conference Management
Services, Inc**

Committees

Women in Engineering

Anna Scaglione
Arizona State University

Publication Chair

Warren Gross
McGill University, Canada

Committees

- *Webmaster*

Zaghloul Saad Zaghloul
CACS

Students

How
To Enjoy
New Orleans

Paper Submission Statistics

- Number of Paper Submissions: *2518*
- Number of Accepted Papers: *1220*
- Acceptance Rate: *48.5%*

- **In addition, there are:**
  - ➢ 96 special session papers—16 special sessions selected from 28 proposals
  - ➢ 63 IEEE Signal Processing Letters presented in poster sessions
  - ➢ 40 PhD/MS Forum papers accepted out of 57 submissions
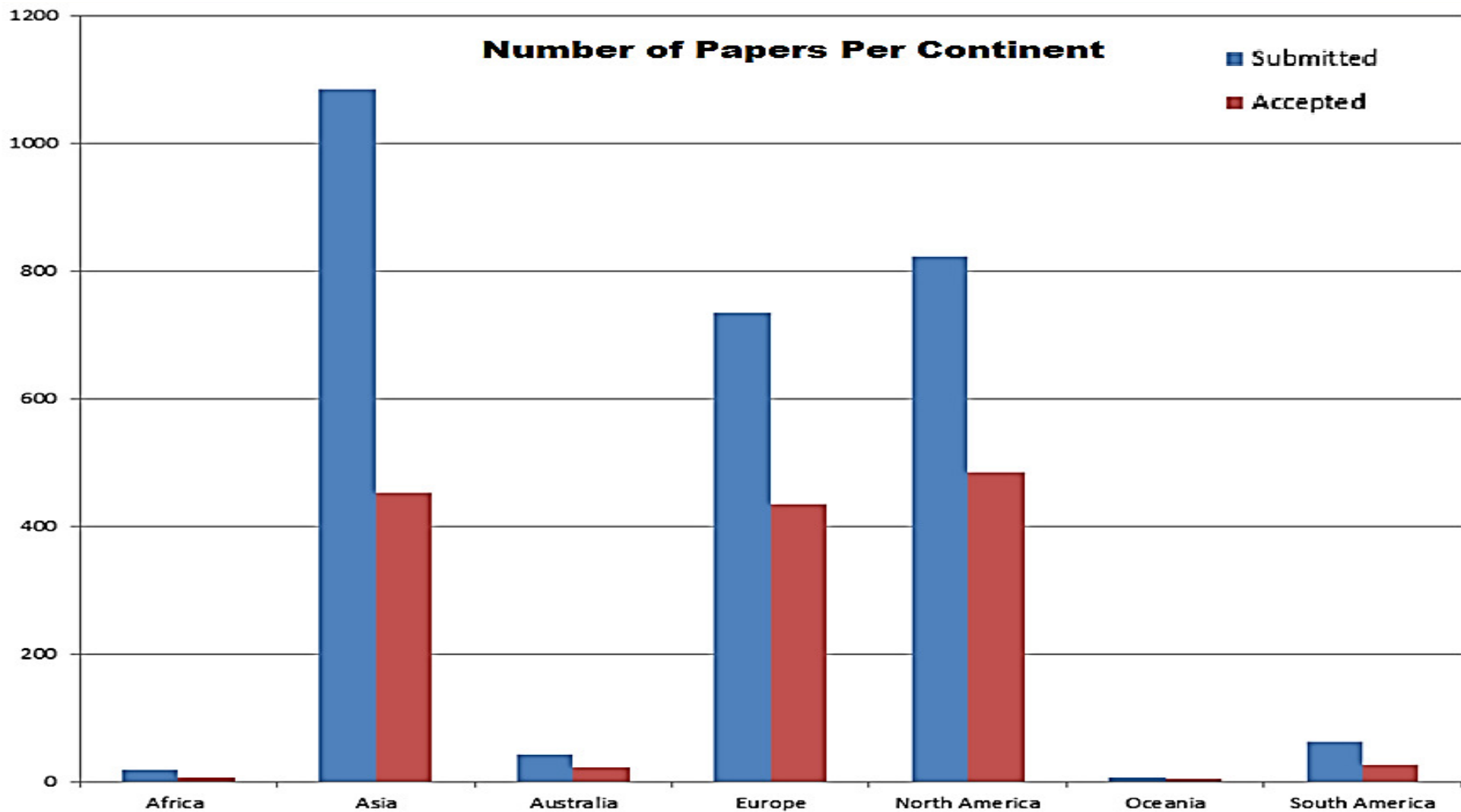 - ➢ 13 Demo submissions accepted out of 19 submissions

Paper Submission per TC/SIG

Audio and Acoustic Signal Processing (AASP)	323
Bio Imaging and Signal Processing (BISP)	129
Design and Implementation of Signal Processing Systems (DISPS)	34
Image, Video, and Multidimensional Signal Processing (IVMSP)	362
Information Forensics and Security (IFS)	66
Industry DSP Technology (IDSP)	18
Machine Learning for Signal Processing (MLSP)	261
Multimedia Signal Processing (MMSP)	74
Sensor Array and Multichannel Signal Processing (SAM)	174
Signal Processing for Communications and Networking (SPCOM)	150

Signal Processing Theory and Methods (SPTM)	434
Speech Processing (SP)	364
Human Language Technology (HLT)	91
Signal Processing for Big Data (BD)	39
Signal Processing for Internet of Things (IOT)	31
Signal Processing (SP) Education (SPED)	6
Computational Imaging (CIM)	33
Special Sessions (SS)	96
Ph.D. / M.Sc. Forum (PMF)	57
Demonstrations (DEMO)	19
Signal Processing Letters (SPL)	63

Paper Submission Statistics by Country/Region

- Submissions from 67 countries

- 54 countries represented in accepted papers

Number of Papers Per Continent

Special Thanks

Special thanks to :

      TC and SIG Chairs
      Area/Review Coordinators
      Organizers of Special Sessions
      Dedicated Reviewers

And of course to our Authors and Speakers

      Finally, to Conference Management Services, and
      to Lance Cotton for excellent support with the technical

      program