IEEE SPS SPCOM-TC Meeting at ICASSP 2019

Brighton, UK
May 16, 2019
11:30-12:00
Agenda

• Call to order; Welcome from the chair
• Approval of the agenda
• Chair's report
• Update for SPAWC 2019
  • Cannes, France (David Gesbert, Florian Kaltenberger, Laura Cottatelucci)
• Update for SPAWC 2020
  • Georgia Tech., USA (Zhengdao Wang, Xiaoli Ma, and Geoffrey Ye Li)
• Proposal for SPAWC 2021
  • Lucca, Italy (Luca Sanguinetti, Emil Björnson, Osvaldo Simeone)
• Proposal for SPAWC 2021
  • Oulu, Finland (Markku Juntti, Antti Tölli, Mikko Valkama)
• Information and discussion items
  • Autonomous System Program
  • Election of new members in 2019
  • Information from Technical Directions Board Meeting
Approval of Agenda (vote)
Chair’s Report - Membership

• The following five members had their terms ending in 2018:
  • Waheed Bawjaa, Min Dong, Markku Juntii, Elefterios Karipidis, Wei Zhang

• Two stood for re-election:
  • Waheed Bawjaa, Markku Juntti. Both were elected for another 3-year term (2019-2021)

• The following three new members were elected for a 3-year term (2019-2021):
  • Danijela Cabric, Yonina Eldar, Ana Pérez-Neira
  • 12 excellent candidates stood for election

• Diversity metric:
  • 8 female members (27%), 1 industry member.
  • 11 North America (3 in Canada), 10 Europe, 2 Middle East, 7 Asia Pacific
Chair’s Report – Suggested subcommittees

- Nominations and elections subcommittee:
  - Joakim Jalden (chair), Yonina Eldar?, Biao Chen?

- Awards subcommittee:
  - Wei Yu (chair), Joakim Jaldén, Emil Björnsson, Meixia Tao

- Marconi award subcommittee:
  - Yindi Jing (chair), Tareq Al-Naffouri, ?

- Industry/government subcommittee:
  - Raghavan Vasanthan (chair), Markku Juntti

- Newsletter subcommittee:
  - Chandra Murthy (chair), and Waheed U. Bajwa (IEEE SPS visibility representative)

- Education subcommittee:
  - Christopher Studer (chair), Daniela Cabric

- Geographical representatives:
  - Lutz Lampe (Canada/US/Americas)?, Phillipe Ciblat (Europe)?, Tony Quek (AsiaPacific)?
TC Representations on IEEE Boards, I

• IEEE SPS Board of Governors (A. Pérez-Neira)
• IEEE SPS Technical Directions board (J. Jalden)
• IEEE SPS Awards Board (E. G. Larsson)
• Fellow Evaluation Committee (Z.-Q. Luo, U. Mitra)
• Long Range Planning and Implementation Committee (A. Pérez-Neira)
• Council on Radio Frequency Identification (Feifei Gao)
• Smart Grid Initiative Steering Committee (A. Tajer)
TC Representations on IEEE Boards, II

- Steering committee of IEEE Trans. Mobile Computing (T. Davidson, Min Dong)
- Steering committee for IEEE Wireless Comm. Letters (R. Zhang, D. Love)
- Editor-in-Chief of IEEE Wireless Comm. Letters (W. Zhang)
- TSIPN Editorial Board (W. Bajwa, D. Cabric, P. Ciblat)
- SPL Senior Area Chairs (W. Bajwa, Y. Jing)
Chair’s Report – Award Nominations

• IEEE SPS Society Award: Yonina Eldar (not successful)
• IEEE SPS Technical Achievement Award: Geoffrey Ye Li (not successful)
• IEEE SPS Industrial Leader Award: John Cioffi (not successful)
• IEEE SPS Best Paper Award: (no nomination)
• IEEE SPS Young Author Best Paper Award:
• Donald G. Fink Overview Paper Award:
• Sustained Impact Award:
• IEEE Marconi Prize Paper Award in Wireless Communications:
Chair’s Report – Award Winners

• SPS Best Paper Award (Top ranked by TC):

• SPS Best Paper Award (Identified in TC scan review):

• 2019 IEEE Marconi Prize Paper Award in Wireless Communications:

• 2018 IEEE Marconi Prize Paper Award in Wireless Communications:
## Chair’s Report – ICASSP Statistics

<table>
<thead>
<tr>
<th>Conference</th>
<th>Accepted Papers</th>
<th>Total Papers</th>
<th>Acceptance Rate</th>
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<tbody>
<tr>
<td>ICASSP 2013 (Vancouver)</td>
<td>187 accepted out of 391 submitted + 12 SPL papers</td>
<td>391</td>
<td>11.0% of ICASSP</td>
</tr>
<tr>
<td>ICASSP 2014 (Florence)</td>
<td>205 accepted out of 387 submitted + 5 SPL papers</td>
<td>387</td>
<td>11.6% of ICASSP</td>
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<tr>
<td>ICASSP 2015 (Brisbane)</td>
<td>75 accepted out of 153 submitted + 14 SPL papers</td>
<td>153</td>
<td>6.8% of ICASSP</td>
</tr>
<tr>
<td>ICASSP 2016 (Shanghai)</td>
<td>116 accepted out of 240 submitted + 9 SPL papers</td>
<td>240</td>
<td>9.0% of ICASSP</td>
</tr>
<tr>
<td>ICASSP 2017 (New Orleans)</td>
<td>72 accepted out of 146 submitted + 4 SPL papers</td>
<td>146</td>
<td>5.8% of ICASSP</td>
</tr>
<tr>
<td>ICASSP 2018 (Calgary)</td>
<td>80 accepted out of 171 submitted + 4 SPL papers</td>
<td>171</td>
<td>6.2% of ICASSP</td>
</tr>
<tr>
<td>ICASSP 2019 (Brighton)</td>
<td>71 accepted out of 153 submitted + 4 SPL papers</td>
<td>153</td>
<td>4.1% of ICASSP</td>
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Chair’s Report – SPAWC Statistics

<table>
<thead>
<tr>
<th>SPAWC Year</th>
<th>Location</th>
<th>Accepted Papers</th>
<th>Attendees</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAWC 2012</td>
<td>Cesme, Turkey</td>
<td>119 out of 171</td>
<td>124</td>
</tr>
<tr>
<td>SPAWC 2013</td>
<td>Darmstadt, Germany</td>
<td>158 out of 237</td>
<td>184</td>
</tr>
<tr>
<td>SPAWC 2014</td>
<td>Toronto, Canada</td>
<td>102 out of 121</td>
<td>132</td>
</tr>
<tr>
<td>SPAWC 2015</td>
<td>Stockholm, Sweden</td>
<td>140 out of 207</td>
<td>178</td>
</tr>
<tr>
<td>SPAWC 2016</td>
<td>Edinburgh, UK</td>
<td>173 out of 260</td>
<td>210</td>
</tr>
<tr>
<td>SPAWC 2017</td>
<td>Sapporo, Japan</td>
<td>178 out of 256</td>
<td>268</td>
</tr>
<tr>
<td>SPAWC 2018</td>
<td>Kalamata, Greece</td>
<td>152* out of 281</td>
<td>250</td>
</tr>
<tr>
<td>SPAWC 2019</td>
<td>Cannes, France</td>
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- Financial results:
  - 2015: Surplus of $27K out of $68K expenses (28% surplus)
  - 2016: Surplus of £14K out of £67K expenses (17.5% surplus)
  - 2017: Surplus of $24K out of $129K expenses (18.8% surplus)
  - 2018: Surplus of $25K out of $95K expenses (26% surplus)
Chair’s Report – Tasks Ahead (TODO)

• May 31, 2019:
  • Nominations for Distinguished Lecturers (Responsibility: TC chair, Awards subcommittee)

• September 1, 2019:
  • Nominations for Paper Awards: BPA, YABPA, MBPA, LBPA, OPA, SIPA (Responsibility: TC Past-Chair, Awards subcommittee)
  • Nominations for Society Award, Technical Achievement Award (Responsibility: TC Chair, Awards subcommittee)

• November 15, 2019:
  • Membership election completed (Responsibility: Elections and nominations subcommittee)
  • Nominations by September 15, 2019 in “generic TC elections guidelines”

• November – December 2019:
  • ICASSP Paper Reviews and Decisions (Responsibility: TC-chair)
  • Paper acceptance communicated to authors January 24, 2020

• February 15, 2020:
  • Nominations for the Marconi award (Responsibility: Marconi subcommittee)

• Early spring 2020
  • SPAWC 2020 reviews
Update for SPAWC 2019 (July 2-5)

• Last day to register at the advance rate is TODAY, May 16!
Update for SPAWC 2020 at Georgia Institute of Technology Atlanta, USA

Geoffrey (Ye) Li, Zhengdao Wang, Xiaoli Ma
SPAWC 2021 proposal for
Lucca, Italy

Luca Sanguinetti, Emil Björnson, Osvaldo Simeone
SPAWC 2021 proposal for Oulu, Finland

Markku Juntti, Antti Tölli, Mikko Valkama
IEEE Signal Processing Society (SPS) ASI

• New Autonomous Systems Initiative (ASI)
• “To become an ASI Member, you must be an IEEE SPS member and be nominated by a SPS Technical Committee or Special Interest Group.”

• How do we handle TC nominations?
  • Pending request from Jinho Choi

• Decided though an email based endorsement vote?
Elections process 2019

• 17 TC seats will be up for reelection (incl. new vice-chair)
  • 7 members have already served their second term
• A minimum of 7 new members are needed
  • Compared with 3 in 2018

• 12 candidates stood for election in 2018 (incl. 2 past members)

• We need to be extra good at nominating new members!
  • Consider gender diversity, geographical diversity, industry, and young professionals (presumed high level of contribution)
Info. from Technical Directions Board Meeting

• Work on Unified EDICS
  • Joakim (TC Chair) has “claimed” a (too long) set for TC
  • Same for SPS Publications and ICASSP

• IEEE Fund for Signal Processing and Young Professionals
  • Could be used for travel scholarships and best student paper awards
  • SPS can match funding provided by external partner

• SPS Challenges and Data Collection Initiative
  • Allows for new type of challenge overview paper in SPS journals
  • Could SPCOM engage in challenges?
  • Is a new subcommittee appropriate for this?
Appendix – ICASSP Statistics
ICASSP 2017 Submissions (data from TPC Chairs)

Prepared by C. Mechlenbräuker (SAM TC)
ICASSP 2018 Submissions (data from TPC Chairs)

Submissions per Track

10: Signal Processing for Communications and Networking

Prepared by C. Mechlenbräuker (SAM TC)
ICASSP 2019 Submissions (data from Tulay Adali)

Submissions per Track including SPL and TSP presentations

1: Audio and Acoustic Signal Processing
2: Bio Imaging and Signal Processing
3: Design and Implementation of Signal Processing Systems
4: Image, Video, and Multidimensional Signal Processing
5: Information Forensics and Security
6: Industry DSP Technology
7: Machine Learning for Signal Processing
8: Multimedia Signal Processing
9: Sensor Array and Multichannel Signal Processing
10: Signal Processing for Communications and Networking
11: Signal Processing Theory and Methods
12: Speech Processing
13: Human Language Technology
14: Signal Processing for Big Data
15: Signal Processing for Internet of Things
16: Signal Processing (SP) Education
17: Computational Imaging

Prepared by C. Mechlenbräuker (SAM TC)