

SAM 2012 Report

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The 7th IEEE Sensor Array and Multichannel Signal Processing (SAM) Workshop will be held at Hoboken, New Jersey, USA, from June 17 – 20, 2012. The General Co-Chairs are Hongbin Li and Xiaodong Wang, and the Technical Co-Chairs are Antonio De Maio, Rabinder Madan, Peter Willett. Information about the SAM 2012 Workshop, including the Organizing Committee and Technical Program Committee, can be found at the conference website: <http://www.stevens.edu/sam2012/>.

SUBMISSION

SAM 2012 received a total of **173 submissions** with the following breakdowns:

- Regular papers: 82
- Student papers (first author is student and paper will be presented by the student): 44
- Special session (SS) papers: 47

The SS papers are invited papers organized in 8 sessions:

1. Compressive Sensing for Radar (organized by Moeness Amin and Nathan A. Goodman)
2. Smart Grid (organized by Rick Blum)
3. Distributed and Collaborative Signal Processing (organized by Qi Cheng and Pramod K. Varshney)
4. Multistatic Sensor Networks for Radar Applications (organized by Maria Greco)
5. Consensus-Based Methods for Multi-Agent Dynamic Systems and Applications (organized by Yi Guo)
6. Waveform Diversity (organized by Lee Patton)
7. Integrated Multimodal Sensing (organized by Muralidhar Rangaswamy)
8. Non-Standard Covariance Estimation Methods (organized by Ami Wiesel and Pascal Larzabal)

Table 1 shows the Authors by Country and Region for All Submitted Papers.

REVIEW

All regular papers and student papers were reviewed by members of the Technical Program Committee (TPC) for SAM 2012. Each paper received 2 independent reviews. The SS papers did not go through the TPC review, but were handled by the session organizers. The session organizers were encouraged to provide comments and feedbacks to their authors.

ACCEPTED PAPERS

There are a total of **139 papers accepted** with the following breakdowns: 61 (regular), 31 (student), and 47 (special session). The overall acceptance rate is 80%. Excluding the invited SS papers, the acceptance rate is 73%. **Table 2** shows the Authors by Country and Region for Accepted Papers.

TRAVEL SUPPORT AND STUDENT PAPER COMPETITION

A pending travel grant from the US Office of Naval Research (pending final approval by its Acquisition Placement Office) can be used to provide support to up to 10 student authors of the best papers to attend SAM and present their work at the workshop. In addition, SAM 2012 will hand out 3 best student paper awards. To be eligible for travel supports and student paper awards, there are two criteria: a) 1st author must be a student; and b) the paper must be presented by the student. A committee with members reflecting well the different submission areas will be formed to select the finalists (suggested by Arye Nehorai). The initial pool of candidates will be identified from the regular submission according to the average review score, as well as SS papers meeting the above two criteria.

Table 1: Authors by Country and Region (All Papers)

Country	Authors	%	Papers (1st author)	%
USA	194	42.0	74	42.3
P.R. China	39	8.4	15	8.6
Spain	32	6.9	9	5.1
Japan	19	4.1	5	2.9
India	19	4.1	7	4.0
Germany	17	3.7	7	4.0
France	17	3.7	6	3.4
Israel	12	2.6	6	3.4
The Netherlands	12	2.6	5	2.9
Canada	11	2.4	5	2.9
Iran	10	2.2	4	2.3
Greece	10	2.2	3	1.7
Italy	9	1.9	3	1.7
Australia	8	1.7	3	1.7
United Kingdom	8	1.7	3	1.7
Malaysia	7	1.5	3	1.7
Taiwan	6	1.3	2	1.1
Switzerland	5	1.1	2	1.1
Finland	5	1.1	3	1.7
Sweden	4	0.9	1	0.6
Turkey	4	0.9	2	1.1
Denmark	3	0.6	1	0.6
Brazil	3	0.6	1	0.6
Pakistan	2	0.4	1	0.6
Serbia	2	0.4	1	0.6
Estonia	1	0.2	1	0.6
Singapore	1	0.2	1	0.6
Hong Kong	1	0.2	0	0.0
Russia	1	0.2	1	0.6
Total	462			
Region	Authors	%		
United States	194	42.0		
Europe, Middle East, Africa	152	32.9		
Asia/Pacific	102	22.1		
Canada	11	2.4		
Latin America	3	0.6		

Table 2: Authors by Country and Region (Accepted Papers)

Country	Authors	%	Papers (1st author)	%
USA	180	47.2	68	48.9
Spain	30	7.9	8	5.8
P.R. China	25	6.6	8	5.8
France	17	4.5	6	4.3
Germany	16	4.2	6	4.3
The Netherlands	12	3.1	5	3.6
Israel	12	3.1	6	4.3
India	12	3.1	5	3.6
Greece	10	2.6	3	2.2
Italy	9	2.4	3	2.2
Japan	8	2.1	2	1.4
Taiwan	6	1.6	2	1.4
Australia	6	1.6	2	1.4
Switzerland	5	1.3	2	1.4
United Kingdom	5	1.3	2	1.4
Finland	5	1.3	3	2.2
Iran	5	1.3	1	0.7
Sweden	4	1.0	1	0.7
Canada	4	1.0	2	1.4
Denmark	3	0.8	1	0.7
Brazil	3	0.8	1	0.7
Serbia	2	0.5	1	0.7
Estonia	1	0.3	1	0.7
Hong Kong	1	0.3	0	0.0
Total	381			

Region	Authors	%
United States	180	47.2
Europe, Middle East, Africa	136	35.7
Asia/Pacific	58	15.2
Canada	4	1.0
Latin America	3	0.8
unknown	0	0.0