

AMEREM – EUROEM – ASIAEM Memos

Memo 10

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Technical Program Statistics for EUROEM 2016

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In this Memo, we document certain parameters relating to the Technical Program of EUROEM 2016, held at the Imperial College, London, United Kingdom during July 11-14, 2016. This Memo series has also been renamed to reflect the fact this meeting is now held in three continents. It is anticipated that future organizers of AMEREM/EUROEM/ASIAEM meetings can benefit from the data presented in this Memo.

The purpose of this Memo is to present some statistics and examine the models of the technical program organization. In Table 1, we present the data about paper submissions and exhibitors.

Table 1. Quantity of Papers and Exhibitors for EUROEM 2016

Number of papers submitted	150
Number of papers rejected	0
Number of Papers voluntarily withdrawn by the authors, primarily because they could not attend the Conference	20
Number of accepted papers not presented	25
Number of papers (regular + poster) accepted and scheduled	150
Number of regular session papers (20 minutes)	134
Number of papers accepted for poster sessions	16
Number of plenary session papers (30 minutes)	7
Number of workshops/tutorials	0
Number of registered participants	214
Number of Sponsors and Exhibitors	15
Other Meetings (Permanent HPE Committee + IEC SC 77C)	2

In Table 2, we present the organizational considerations in the context of EUROEM 2016.

Table 2. Organizational Considerations for EUROEM 2016

#	Parameter	Symbol	EUROEM 2016
1	Number of accepted papers including plenary papers	N	150
2	Number of conference days	D	4
3	Number of half days	2D	8
4	Plenary session papers (30 minutes each) (Wednesday AM session)	PS	7
5	Effective number of half days	$H = (2D - 1.5)$	6.5
6	Number of poster session papers	PP	16
7	Oral presentations including plenary papers	$M = N - PP$	134
8	Number of presentations/ full session (with 20-minute presentations)	S	8
9	Number of parallel sessions	Integer [$M / (H \times S)$]	$134 / (6.5 \times 8) = 2.58$ Rounded to 3

- The Plenary papers were scheduled on Wednesday, 13 July 2016 morning.
- Throughout the 4 days there were 3 parallel sessions.

Note that in EUROEM 2016, 3 parallel sessions could have accommodated a maximum of $3 \times 6.5 \times 8 = 156$ oral presentations. However, the number of parallel sessions is governed by the session topics and not necessarily by trying to fit the papers in a minimum set of parallel sessions. We have chosen 3 parallel sessions to better distribute the papers presented.

In Table 3, we present paper count by Technical Committees.

Table 3. Submission Count by Technical Committees and Special Sessions

Topic	Total	Cumulative
TC 04	15 O + 3 P	18
TC 07	15 O + 3 P	36
TC 01	13 O + 4 P	53
TC 05	16 O	69
TC 06	10 O + 2 P	81
TC 03	10 O + 1 P	92
TC 14	8 O	100
TC 13	6 O + 1 P	107
SS 02	6 O + 1 P	114
TC 02	6 O	120
TC 12	6 O	126
SS 01	5 O	131
TC 09	4 O	135
TC 11	3 O	138
SS 03	2 O + 1 P	141
TC 08	2 O	143
TC 10	nil	143
PLENARY	7 O	150

In Table 4, we list the various Technical Committees and their respective Chairs and Vice-Chairs.

Table 4. Chairs & Vice-Chairs for Various Technical Committees and Special Sessions

Given Name	Family Name	TC	Short Title
Dave	Giri	1	HPEM-Sources, Antennas, Facilities
Bill	Prather	1	HPEM-Sources, Antennas, Facilities
Jean-Philippe	Parmantier	2	HPEM-Coupling/Structures/Cables
Lars-Ole	Fichte	2	HPEM-Coupling/Structures/Cables
Frank	Sabath	3	HPEM-Meas. Techniques
Anthony	Wraight	3	HPEM-Meas. Techniques
Lihua	Shi	3	HPEM-Meas. Techniques
Bill	Radasky	4	HPEM-IEMI Threats/Effects/Protection
Richard	Hoad	4	HPEM-IEMI Threats/Effects/Protection
Armin	Kaelin	5	HPEM-System Level Protection and Testing
Yanzhao	Xie	5	HPEM-System Level Protection and Testing
Mats	Backstrom	5	HPEM-System Level Protection and Testing
Farhad	Rachidi	6	HPEM-Lightning EM Effects/Measurement
Marcos	Rubinstein	6	HPEM-Lightning EM Effects/Measurement
Sergey	Tkachenko	7	HPEM-Analytic and Numerical Modeling
Shengquan	Zheng	7	HPEM-Analytic and Numerical Modeling
Lars-Ole	Fichte	8	HPEM-Bioeffects/Medical Applications of EM
Dave	Giri	8	HPEM-Bioeffects/Medical Applications of EM
Dave	Giri	9	UWB-Ant. Design/Radiation
Everett	Farr	9	UWB-Ant. Design/Radiation
Larry	Cohen	10	UWB-Radar Systems/Signal Processing/Security
Vladimir	Koshelev	11	UWB-Target Detection/Imaging
Felix	Vega	12	UXO-Landmine/IED Detection and Neutralization
Jürgen	Sachs	12	UXO-Landmine/IED Detection and Neutralization
Xiong	Wu	13	HPEM-EM Transients in UHV/EHV Trans Lines & Substations
Yanzhao	Xie	13	HPEM-EM Transients in UHV/EHV Trans Lines & Substations
Bill	Radasky	13	HPEM-EM Transients in UHV/EHV Trans Lines & Substations
Chaouki	Kasmi	14	Statistical Methods in HPEM
Lars-Ole	Fichte	14	Statistical Methods in HPEM

SPECIAL SESSIONS

Gavin	Barber	SS-01	Aircraft EM Certification Developments
Phil	Surman	SS-01	Aircraft EM Certification Developments
Rebecca	Seviour	SS-02	Transformative Electromagnetic Materials & Structures
Edl	Schamiloglu	SS-02	Transformative Electromagnetic Materials & Structures
Dorian	Thomas	SS-03	Cyber Electromagnetics
Chaouki	Kasmi	SS-03	Cyber Electromagnetics

In Table 5, we present submitted papers for EUROEM 2016 by nations.

Table 5. Submitted Papers by Nations (arranged alphabetically) in EUROEM 2016 (Total of 150)

Country	No. Papers Submitted	No. Papers at Registration deadline	No. Papers (expected)	No. Papers (presented)
Algeria	1	1	1	1
Australia	1	1	1	1
Belarus	1	1	1	1
Belgium	2	2	2	2
China	28	23	17	12
Columbia	6	4	4	4
Croatia	1	1	1	1
France	14	11	11	11
Germany	12	12	12	12
India	3	3	3	3
Israel	1	1	1	1
Japan	1	1	1	1
South Korea	6	6	6	6
Lithuania	2	2	2	2
Netherlands	1	1	1	1
Norway	1	1	1	1
Pakistan	1	1	1	1
Russia	2	2	2	2
Spain	1	1	1	1
Sweden	5	3	3	3
Switzerland	5	5	5	5
Tunisia	1	1	1	1
UK	26	26	26	26
Ukraine	2	0	0	0
US	26	26	26	26
Total	150	136	130	125

Some papers are written by multiple authors from different nations. Papers are assigned to the home nation of the contact author, who may or may not be the first author.

Out of the 150 papers that were accepted and listed in the Technical program, 25 papers were not presented for reasons such as:

- 1) Authors that promised to register on site and failed to do so

- 2) Authors failed to get a VISA
- 3) Authors did not utilize the walk-in registration option.
- 4) Authors had registered but did not attend the conference.

If the authors did not register at all, their papers will be removed from the conference records. If the author registered but could not attend for whatever reason, their paper will be included in the conference records.

Following three awards were given out for:

- a) Best Student Paper Award
- b) Early Career Award
- c) Best Note Award (Basic and Applied Categories)

We are thankful to Dr. Felix Vega who headed the Awards Committee for EUROEM 2016.

In addition, Dr. William Radasky chaired the HPEM Fellows Committee and 8 members of the community were recognized as HPEM Fellows.