

AMEREM – EUROEM – ASIAEM Memos

Memo 15

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Technical Program Statistics for ASIAEM 2019

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In this Memo, we document certain parameters relating to the Technical Program of ASIAEM 2019, held at the Wyndham Grand Xi'an South Hotel, in Xi'an, China from 15-20 September 2019.

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

Table 1. Quantity of Papers and Exhibitors for ASIAEM 2019

Number of papers submitted	142
Number of papers rejected	4
Number of accepted papers not presented	31
Number of submitted papers (oral + poster) accepted and scheduled	138
Number of oral session papers (20 minutes)	134
Number of poster papers (not including best student paper)	4
Number of plenary papers (30 minutes)	7
Number of workshops/tutorials	0
Number of registered participants	135
Number of registered students	47
Number of registered accompanying persons	8
Number of Sponsors/Exhibitors	3/7*
Other Meetings (CIGRE WG C4.54 – HEMP Protection; TEA Party: International Academic Committee meeting of TEA)	2

* Each of the three sponsors were also exhibitors, so there were 4 exhibitors who were not also sponsors.

In Table 2, we present the summary schedule for ASIAEM 2019. Note that 4 parallel sessions were held on all meeting days. On Friday there was a technical visit in the morning.

Table 2. Technical Program Schedule for ASIAEM 2019 (with assigned Session Chairs)

Day/Date	Time	Room: Function 2	Room: Function 3	Room: Function 11	Room: Function 12
Monday 16-Sept.	AM 1 08:30 – 11:40	WELCOME SESSION			
	PM 1 14:00 – 15:20	TC 01 Hongge Ma, Chaouki Kasmi	SS 02 Wei Jia, Jae Wook Lee	TC 07 (IN MEMORY OF PROFESSOR NITSCH) Sergey Tkachenko, Dave Giri	TC 10 + TC 11 + TC 15 Shuhong Wang, Jin Soo Choi
	PM 2 15:50 – 17:10	TC 01 Lihua Shi, Chang-Su Huh	SS 02 + TC 06 Jae Wook Lee, Wei Jia	TC 07 (IN MEMORY OF PROFESSOR NITSCH) Dave Giri, Sergey Tkachenko	TC 12 + SS 01 Jin Soo Choi, Hongzhi Yao
Tuesday 17-Sept.	AM 1 08:30 – 09:50	TC 01 Dave Giri, Hongge Ma	TC 06 Minghao Wang, Marcos Rubinstein	TC 07 Sergey Tkachenko, Shengquan Zheng	TC 13 Bill Radasky, Xiong Wu
	AM 2 10:20 – 11:40	TC 01 Jun Zhang, Dave Giri	TC 06 Marcos Rubinstein, Minghao Wang	TC 07 Shengquan Zheng, Nicolas Mora	TC 13 + TC 17 Xiong Wu, Yury Parfenov
	PM 1 14:00 – 15:20	TC 01 + SS 05 Dave Giri, Zicheng Zhang	TC 06 Farhad Rachidi, Xueling Yao	TC 08 Lars-Ole Fichte, Guirong Ding	TC 17 Bill Radasky, Minghao Wang
	PM 2 15:50 – 17:10	TC 01 + TC 14 Chang-Su Huh, Yazhou Chen	TC 06 + TC 03 Xueling Yao, Farhad Rachidi	TC 08 + TC 04 + SS 04 Guirong Ding, Lars-Ole Fichte	TC 05 + TC 16 Armin Kaelin, Nicolas Mora
Wednesday 18-Sept.	AM 1 08:30 – 12:00	Plenary Session			
	PM 1 14:00 – 15:40	SS 06 Chunming Liu, Edward Savage	TC 02 Dave Giri, Lihua Shi	TC 16 Jie Guo, Armin Kaelin	SS 04 Mai Lu, Lars-Ole Fichte
	PM 2 15:40 – 17:30	Poster Session			
	PM 3 19:00 – 21:00	Banquet			
Thursday 19-Sept.	AM 1 08:30 – 09:50	TC 04 Jun Guo, Bill Radasky	Interactive Forum with Industry	TC 09 Dave Giri, Sen Yan	TC 03 Lihua Shi, Jae Wook Lee
	AM 2 10:20 – 11:40	TC 04 Bill Radasky, Jun Guo		TC 18 Feng Qin, Dave Giri	TC 03 Jae Wook Lee, Lihua Shi
	PM 1 14:00 – 17:00	Technical visit			
Friday 20-Sept.	AM 08:30 – 13:00	Technical visit			

In Table 3 we present the list of Technical Committees and their Chairs and Vice Chairs.

Table 3. Chairs and Vice-Chairs of Technical Committees for ASIAEM 2019

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
Jun	Guo	2	HPEM-Coupling/Structures/Cables
Lihua	Shi	3	HPEM-Meas. Techniques
Anthony	Wraight	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
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
Jinshuo	Zhang	10	UWB-Radar Systems (Signal Processing and Security) Aspects
Vladimir	Koshelev	11	UWB-Target Detection/Imaging
Hajjing	Zhou	11	UWB-Target Detection/Imaging
Hongzhi	Yao	12	HPEM-Explosive Devices - Effects and Protection
Felix	Vega	12	HPEM-Explosive Devices - Effects and Protection
Xiong	Wu	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	HPEM-Statistical Methods in HPEM
Steven	Anlage	14	HPEM-Statistical Methods in HPEM
Lars-Ole	Fichte	14	HPEM-Statistical Methods in HPEM
Edl	Schamiloglu	15	HPEM-Meta Materials for High-Power Applications
Zhuoyan	Duan	15	HPEM-Meta Materials for High-Power Applications
Jie	Guo	16	HPEM-Design of Protective Devices and Test Methods
Bill	Radasky	17	HPEM-Evaluation of HEMP/IEMI Impacts on Critical Infrastructures
Yanzhao	Xie	17	HPEM-Evaluation of HEMP/IEMI Impacts on Critical Infrastructures
Richard	Hoad	18	HPEM-Standards for HPEM Protection
Tae-heon	Jang	18	HPEM-Standards for HPEM Protection

In Table 4 we present the paper count by technical committee.

Table 4 Papers Submitted by TC and Special Sessions (Not including Plenary Papers). (Note that TCs with limited numbers of papers are highlighted for future reference.)

TC1	HPEM-Sources, Antennas, Facilities	21
TC2	HPEM-Coupling/Structures/Cables	6
TC3	HPEM-Measurement Techniques	11
TC4	HPEM-IEMI Threats/Effects/Protection	9
TC5	HPEM-System Level Protection and Testing	3
TC6	HPEM-Lightning EM Effects/Measurements	16
TC7	HPEM-Analytic and Numerical Modeling	16
TC8	HPEM-Bioeffects/Medical Application of EM	6
TC9	UWB-Antenna Design/Radiation	4
TC10	UWB-Radar Systems (Signal Processing & Security) Aspects	1
TC11	UWB-Target Detection/Imaging	1
TC12	HPEM-Explosive Devices - Effects and Protection	3
TC13	HPEM-EM Transients in UHV/EHV Transmission Lines and Substations	7
TC14	HPEM-Statistical Methods in HPEM	2
TC15	HPEM-Meta Materials for High-Power Applications	2
TC16	HPEM-Design of Protective Devices and Test Methods	6
TC17	HPEM-Evaluation of HEMP/IEMI Impacts on Critical Infrastructures.	5
TC18	HPEM-Standards for HPEM Protection	4
SS1	Meta Materials for High-Power Applications	3
SS2	EM Interactions with Nonlinear Circuits in Complex Systems	2
SS3	Statistical Methods for Connected Complex Structures and Computational EM	3
SS4	Superconductivity and Cryogenics	0
SS5	Gyromagnetic Nonlinear Transmission Line	1
SS6	Influence of Geomagnetic Disturbance on Infrastructures	5
Total = 142		

In Table 5 we list the submitted papers by country for ASIAEM 2019 along with the attendance by country (including guests).

Table 5. Submitted Papers and Attendance by Country

<u>Country</u>	<u>Papers Submitted</u>	<u>Conference Attendees</u>
China	103	84
United States	7	5
Switzerland	6	8
Germany	5	4
South Korea	4	17
Japan	3	3
Columbia	2	0
France	2	3
India	2	0
Sri Lanka	2	1
Italy	1	1
Lithuania	1	1
Russia	1	2
Sweden	1	1
United Arab Emirates	1	2
United Kingdom	1	2
Israel	<u>0</u>	<u>1</u>
	Total= 142	Total= 135

Since papers were occasionally written by authors from different countries, the papers in the list above were assigned to the country of the contact author (normally the one who submitted the paper).

There were awards presented on Wednesday evening during the awards banquet for: the Best Conference Paper (3), the Best Student Conference Paper (2), the Young Scientist Award (2), the Outstanding Young Scientist Award (2) and the Carl E. Baum Medals (4). The details of these awards are described in a separate memo (AMEREM – EUROEM – ASIAEM Memo 16).