

# AMEREM – EUROEM – ASIAEM Memos

Memo 09

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## Technical Program Statistics for ASIAEM 2015

Prepared by

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In this Memo, we document certain parameters relating to the Technical Program of ASIAEM 2015, held at the International Convention Center (ICC) Jeju, Republic of Korea during August 2-7, 2015. It is noted that this meeting is held in Asia for the first time. 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 ASIAEM 2015**

Number of papers submitted	185
Number of papers rejected	5
Number of Papers voluntarily withdrawn by the authors, primarily because they could not attend the Conference	38
Number of accepted papers not presented	14
Number of papers (regular + poster) accepted and scheduled	142
Number of regular session papers (20 minutes)	127
Number of papers accepted for poster sessions	15
Number of plenary session papers (25 minutes)	6
Number of workshops/tutorials	0
Number of registered participants	164
Number of Sponsors and Exhibitors	12
Other Meetings (Permanent HPE Committee)	1

In Table 2, we present the organizational considerations in the context of ASIAEM 2015.

**Table 2. Organizational Considerations for ASIAEM 2015**

#	Parameter	Symbol	ASIAEM 2015
1	Number of accepted papers excluding plenary papers	N	142
2	Number of conference days	D	4
3	Number of half days	2D	8
4	Plenary session papers (25 minutes each) (Wednesday AM session)	PS	6
5	Effective number of half days	$H = (2D - 1.5)$	6.5
6	Number of poster session papers	PP	15
7	Oral presentations excluding plenary papers	$M = N - PP$	127
8	Number of presentations/ full session (with 20-minute presentations)	S	8
9	Number of parallel sessions	Integer [ $M / (H \times S)$ ]	$127 / (6.5 \times 8) = 2.44$ Rounded to 3

- The Plenary papers were scheduled on Wednesday, 5 August 2015 morning.
- A comment is in order concerning the number of parallel sessions.

Note that in ASIAEM 2015, 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 4 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**

<b>Topic</b>	<b>Total</b>	<b>Cumulative</b>
TC 01	17	17
TC 07	13	30
TC 04	12	42
TC 09	10	52
<b>TC 03</b>	<b>8</b>	<b>60</b>
<b>TC 06</b>	<b>8</b>	<b>68</b>
<b>TC 13</b>	<b>7</b>	<b>75</b>
<b>SS 06</b>	<b>7</b>	<b>82</b>
<b>TC 02</b>	<b>5</b>	<b>87</b>
<b>TC 11</b>	<b>5</b>	<b>92</b>
<b>SS 01</b>	<b>5</b>	<b>97</b>
<b>SS 02</b>	<b>5</b>	<b>102</b>
<b>SS 03</b>	<b>4</b>	<b>106</b>
<b>SS 07</b>	<b>5</b>	<b>111</b>
<b>TC 05</b>	<b>4</b>	<b>115</b>
<b>SS 04</b>	<b>4</b>	<b>119</b>
<b>SS 05</b>	<b>4</b>	<b>123</b>
<b>TC 08</b>	<b>3</b>	<b>126</b>
<b>TC 12</b>	<b>1</b>	<b>127</b>
<b>TC 10</b>	<b>0</b>	<b>127</b>
<b>POSTER</b>	<b>15</b>	<b>142</b>

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

**Table 4. Various Technical Committees and Chairs & Vice-Chairs for ASIAEM 2015**

ASIAEM 2015 TC/SS List

Vers 14

18-Apr-15

Given Name	Family Name	TC	Short Title	Email Address	Organization
Dave	Giri	1	HPEM-Sources, Antennas, Facilities	Giri@DVGiri.com	Pro-Tech, US
Bill	Prather	1	HPEM-Sources, Antennas, Facilities	pratherw@aol.com	Air Force Research Laboratory, US
Baoliang	Qian	1	HPEM-Sources, Antennas, Facilities	blqian@163.com	National University of Defense Technology, China
Mats	Backstrom	2	HPEM-Coupling/Structures/Cables	mats.backstrom@saabgroup.com	Saab Group, Sweden
Lars-Ole	Fichte	2	HPEM-Coupling/Structures/Cables	lars-ole.fichte@hsu-hh.de	Helmut-Schmidt University, Germany
Hongge	Ma	2	HPEM-Coupling/Structures/Cables	mahongge@caep.cn	CAEP, China
Frank	Sabath	3	HPEM-Meas. Techniques	Frank.Sabath@ieee.org	Bundeswehr, Germany
Anthony	Wraight	3	HPEM-Meas. Techniques	anthony_wraight@hotmail.com	Ministry of Defence, UK
Lihua	Shi	3	HPEM-Meas. Techniques	shilih@tom.com	E3OE Laboratory, China.
Bill	Radasky	4	HPEM-IEMI Threats/Effects/Protection	wradasky@aol.com	Metatech Corp., US
Richard	Hoad	4	HPEM-IEMI Threats/Effects/Protection	RHOAD@qinetiq.com	QinetiQ, UK
Jong-Gwan	Yook	4	HPEM-IEMI Threats/Effects/Protection	jgyook@yonsei.ac.kr	Yonsei University, Korea
Armin	Kaelin	5	HPEM-System Level Protection and Testing	armin.kaelin@emprotec.ch	EMProtec, Switzerland
Tae-Heon	Jang	5	HPEM-System Level Protection and Testing	thjang@ktl.re.kr	KTL, Korea
Yanzhao	Xie	5	HPEM-System Level Protection and Testing	yanzhao.xie@gmail.com	Xi'an Jiaotong University, China
Farhad	Rachidi	6	HPEM-Lightning EM Effects/Measurement	farhad.rachidi@epfl.ch	EPFL, Switzerland
Marcos	Rubinstein	6	HPEM-Lightning EM Effects/Measurement	rubinstein.m@gmail.com	HEIG-VD, Switzerland
Jinliang	He	6	HPEM-Lightning EM Effects/Measurement	hejl@tsinghua.edu.cn	Tsinghua University, China
Jean-Philippe	Parmantier	7	HPEM-Analytic and Numerical Modeling	jean-philippe.parmantier@onera.fr	ONERA, France
Sergey	Tkachenko	7	HPEM-Analytic and Numerical Modeling	sergey.tkachenko@e-technik.uni-magdeburg.de	University of Magdeburg, Germany
Shengquan	Zheng	7	HPEM-Analytic and Numerical Modeling	zhengshengquan@hotmail.com	Science and Technology on Electromagnetic Compatibility Laboratory, China
Lars-Ole	Fichte	8	HPEM-Bioeffects/Medical Applications of EM	lars-ole.fichte@hsu-hh.de	Helmut-Schmidt Univ., Germany
Guozhen	Guo	8	HPEM-Bioeffects/Medical Applications of EM	guozhen@fmmu.edu.cn	FMMU University, China
Dave	Giri	9	UWB-Ant. Design/Radiation	Giri@DVGiri.com	Pro-Tech, US
Everett	Farr	9	UWB-Ant. Design/Radiation	efarr@farr-research.com	Farr Research, US
Young-Joong	Yoon	9	UWB-Ant. Design/Radiation	yiyoon@yonsei.ac.kr	Yonsei University, Korea
Lin	Ma	10	UWB-Radar Systems/Signal Processing/Security	malin@nriet.com	Nanjing Research Institute of Electronics Technology, China
Guisheng	Liao	10	UWB-Radar Systems/Signal Processing/Security	liaogs@xidian.edu.cn	Xidian University, China
Vladimir	Koshelev	11	UWB-Target Detection/Imaging	koshelev@lhfe.hcei.tsc.ru	HCEI, Russia
Anxue	Zhang	11	UWB-Target Detection/Imaging	anxuezhang@mail.xjtu.edu.cn	Xi'an Jiaotong University, China
Jürgen	Sachs	12	UXO-Landmine/IED Detection and Neutralization	juergen.sachs@tu-ilmenau.de	Ilmenau University
Felix	Vega	12	UXO-Landmine/IED Detection and Neutralization	felix.vega@epfl.ch	National University of Columbia, Columbia
Xiong	Wu	13	HPEM-EM Transients in UHV/EHV Trans Lines & Substations	wuxiong@epri.sgcc.com.cn	State Grid, China
Yanzhao	Xie	13	HPEM-EM Transients in UHV/EHV Trans Lines & Substations	yanzhao.xie@gmail.com	Xi'an Jiaotong University, China
Bill	Radasky	13	HPEM-EM Transients in UHV/EHV Trans Lines & Substations	wradasky@aol.com	Metatech Corp., US
Tae-Heon	Jang	SS-01	HPEM Design/Protection/Test	thjang@ktl.re.kr	KTL, Korea
Chang-su	Huh	SS-01	HPEM Design/Protection/Test	csuh@inha.ac.kr	Inha University, Korea
Bill	Radasky	SS-02	Evaluation of HEMP/EMI Impacts on Critical Infrastructures	wradasky@aol.com	Metatech Corp., US
Richard	Hoad	SS-02	Evaluation of HEMP/EMI Impacts on Critical Infrastructures	RHOAD@qinetiq.com	QinetiQ, UK
Jupeng	Liu	SS-03	Explosive Devices Effects and Protection for HPEM	liujupeng-ss@163.com	Shaanxi Applied Physics and Chemistry Lab. China
Felix	Vega	SS-03	Explosive Devices Effects and Protection for HPEM	felix.vega@epfl.ch	National University of Columbia, Columbia
Chaouki	Kasmi	SS-04	Statistical Methods in HPEM	chaouki.kasmi@ssi.gouv.fr	French Network and Information Security Agency, France
Lars-Ole	Fichte	SS-04	Statistical Methods in HPEM	lars-ole.fichte@hsu-hh.de	Helmut-Schmidt University, Germany
Richard	Hoad	SS-05	HPEM Standards	RHOAD@qinetiq.com	QinetiQ, UK
Bill	Radasky	SS-05	HPEM Standards	wradasky@aol.com	Metatech Corp, US
Woo-Chul	Park	SS-05	HPEM Standards	king818@ktr.or.kr	KTR, Korea
Jianshu	Luo	SS-06	The Vulnerability of Aircraft to Electromagnetic Threats	ljsh3115@sina.com	National University of Defense Technology, China
Guyan	Ni	SS-06	The Vulnerability of Aircraft to Electromagnetic Threats	guyan-ni@163.com	National University of Defense Technology, China
Xinjie	Yu	SS-07	Pulse Power Supply for Electromagnetic Launch	yuxj@tsinghua.edu.cn	Tsinghua University, China
Xueling	Yao	SS-07	Pulse Power Supply for Electromagnetic Launch	xlyao@mail.xjtu.edu.cn	Xi'an Jiaotong University, China

In Table 5, we present submitted papers for ASIAEM 2015 by nations.

**Table 5. Submitted Papers by Nations (arranged alphabetically) in ASIAEM 2015 (Total of 142)**

Country ▼	Count
China	88
Colombia	8
France	4
Germany	2
India	2
Italy	1
Japan	2
Korea, Republic Of	39
Lithuania	1
Malaysia	3
Russian Federation	5
Singapore	2
Sweden	5
Switzerland	8
Ukraine	2
United Kingdom	1
United States	12

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 142 papers that were accepted and listed in the Technical program, 14 papers were not presented for reasons such as:

- 1) Authors that promised to register on site and failed to do so.
- 2) Authors did not utilize the walk-in registration option.
- 3) 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.

Finally, we did not award the BEST NOTE (Basic and Applied Categories) and also the HPE Fellows Award in ASIAEM 2015. However, three new awards were introduced for:

- a) Best Student Paper Award
- b) Best Paper Award
- c) Early Career Award

We are thankful to Dr. Felix Vega who headed the Awards Committee for ASIAEM 2015.