

# WELCOME!

The IEEE EMC Society  
is Proud to Present  
the Annual  
**2015 AWARDS  
LUNCHEON**

EMC 2015: Joint IEEE  
International Symposium on  
Electromagnetic  
Compatibility and EMC Europe



**EMCawards**  
IEEE | 2015

**EMC 2015**

DRESDEN, AUGUST 16-22



**Thank you** to the attendees of the Joint IEEE  
International Symposium on EMC and EMC Europe for  
joining us in Dresden at EMC 2015!

**DON'T MISS OUT ON THE IEEE EMC  
SOCIETY SPONSORED SYMPOSIUM IN 2016**



The 2016 IEEE International Symposium  
on Electromagnetic Compatibility,  
sponsored by the IEEE EMC Society, featuring an  
embedded Signal Integrity and Power Integrity  
conference, is the must-attend event for  
EMC engineers of all levels and specialties.

Join us in Ottawa, Canada as we bring  
compatibility to the Capital in the region  
known for technological enterprise and  
government research making this an ideal  
location to discuss, exchange, and collaborate  
with the EMC and SI/PI Communities.

[www.emc2016.emcss.org](http://www.emc2016.emcss.org)

**EMC 2015**

DRESDEN, AUGUST 16-22



# 2015 IEEE EMC SOCIETY ANNUAL AWARDS LUNCHEON

EMC 2015:  
Joint IEEE International  
Symposium on  
Electromagnetic Compatibility  
and EMC Europe

Friday, 21 August 2015

# AWARDS LUNCHEON PROGRAM

# 2015

## EMC Society President's Memorial Award

**Presented in memory of Dr. Ralph Showers Chi-Kai Shen – National Taiwan University**  
For significant contribution for noise mitigation and modeling technologies in EMC

## Richard R. Stoddart Award for Outstanding Performance

**Er-Ping Li**  
For outstanding contribution on developing novel electromagnetic modeling techniques to solve complex EMC problems including 3D IC and system integration and nanotechnology applications in EMC

## Laurence G. Cumming Award for Outstanding Service

**Francesca Maradei**  
For outstanding service to the EMC Society Board of Directors over the last 10 years including a term as President of the Society, two terms as member of the Board of Directors, service as Chapter Coordinator, and contributing to the global outreach and overall success of the IEEE EMC Society.

## Hall of Fame Award

**Andrew Marvin**  
For Leadership in EMC research and chairman of several EU projects, including COST actions; board member of IEEE EMC-S and chair of the IEEE EMC global university; founder of YES (York) and the M.Sc. on EMC during the early EMC technology education period; associated editor of the IEEE Transactions on EMC. Co-founder of the EMC Europe Symposia

## IEEE Fellow Award

**Wiren (Dale) Becker**  
For contributions to power distribution and signal integrity in high-speed interconnects for computing systems

## Alistair Duffy

For development of validation methods in computational electromagnetics

## David Pommerenke

For contributions to system-level electrostatic discharge technology

## Rajeev Thottappillil

For contributions to the understanding of lightning and electromagnetic interference

## Technical Achievement Award

**Akimasa Hirata**  
For contributions to computational dosimetry and standardization of human exposure to electromagnetic fields

## Xiaoning Ye

For contributions to the understanding of signal propagation in high-speed interconnects, modeling and simulation, measurement techniques, and interconnect optimization in product design.

## Honored Member Award

**Osamu Fujiwara**  
For excellent and devoted service to the EMC Society as an Associate Editor of T-EMC, EMC Magazine as well as Chair of EMC Japan Chapter.

## Robert J. Berkovits

For 55 years of service to the IEEE and the EMC Society with extraordinary efforts on behalf of the EMC Chapter of the Boston Chapter

## Richard B. Schulz Transactions Prize Paper Award

**Analysis of High Intensity Radiated Field Coupling into Aircraft Using the Method of Moments**  
A. Schroder, G.A. Rasek, H.-D. Bruns, Z. Reznicek, J. Kucera, S.E. Loos, C. Schuster, IEEE Transactions on Electromagnetic Compatibility, Volume: 56, Issue: 1

## Richard B. Schulz Transactions Prize Paper Award - Honorable Mention

**Design of Homogeneous and Composite Materials From Shielding Effectiveness Specifications,**  
F. de Paulis, M.H. Nisanci, A. Orlandi, M.Y. Koledintseva, J.L. Drewniak, IEEE Transactions on Electromagnetic Compatibility, Volume: 56, Issue: 2

## Positive Lightning Peak Currents Reported by the U.S. National Lightning Detection Network,

A. Nag, V.A. Rakov, K.L. Cummins, IEEE Transactions on Electromagnetic Compatibility, Volume: 56

## Best Symposium Paper Award

(Winners will receive a P8 phone, courtesy of Huawei)

**Challenges of Time Domain Measurement of Field-Field Correlation for Complex PCBs**  
Chris Smartt<sup>1</sup>, Dave Thomas<sup>1</sup>, Hayan Nasser<sup>1</sup>, Mohd Baharuddin<sup>1</sup>, Gabriele Gradoni<sup>2</sup>, Gregor Tanner<sup>2</sup>, and Stephen Creagh<sup>2</sup> (1)Electrical Systems and Optics, University of Nottingham, Nottingham, United Kingdom, (2)School of Mathematical Sciences, The University of Nottingham, Nottingham, United Kingdom

## Best Symposium Paper Award - Honorable Mention

**An Experimental Study of Electrostatic Discharge Immunity Testing for Wearable Devices**  
Takeshi Ishida<sup>1</sup>, Shuichi Nitta<sup>1</sup>, Fengchao Xiao<sup>2</sup>, Yoshio Kami<sup>3</sup>, Osamu Fujiwara<sup>4</sup>, (1)Engineering dept., Noise Laboratory Co., LTD, Sagami-hara, Japan, (2) Communication Engineering and Informations, University of ElectroCommunications, Tokyo, Japan, (3)Center of Industrial and Governmental Relation, University of Electro-Communications, Tokyo, Japan, (4)Nagoya Institute of Technology, Nagoya, Japan

## Protection Against Common Mode Currents on Exposed Cables

B.J.A.M.(Bart) van Leersum<sup>1</sup>, C.C.J.(Jan-Kees) van der Venz<sup>2</sup>, F.J.K.(Frits) Buesink<sup>2</sup>, F.B.J.(Frank) Leferink<sup>4</sup>, (1)University of Twente, Enschede, The Netherlands, (2)Defence Materiel Organisation, The Hague, The Netherlands, (3)Itech Marine Netherlands B.V., Rotterdam, The Netherlands, (4)Thales Nederland B.V., Hengelo, The Netherlands

## Best Student Paper Award

**Effect of Pulsed Interference on an ASK Receiver**  
Stefan van De Beek<sup>1</sup>, Silvo Jeunink<sup>1</sup> and Frank Leferink<sup>1,2</sup> (1) University of Twente, Enschede, The Netherlands, (2) Thales Nederland B.V., Hengelo, The Netherlands

## Best Student Paper - Honorable Mention

**Extension of the Emission Measurements for Alternative Test Methods above 1 GHz for Unintentional Electromagnetic Radiators**  
Benjamin Menßen, David Hamann and Heyno Garbe, Institute of Electrical Engineering and Measurement Technology, Leibniz Universität Hannover, Hannover, Germany

## Best Student Design Award

**Mislav Mikic, Raul Bleic and Rebecca Grancaric**  
University of Zagreb, Croatia

## Best Student Design Award - Honorable Mention

**Nils Harder and Van Thu Do**  
Otto-von-Guericke-Universität Magdeburg, Germany

**Michael Rutz, Bhagyasree Nimmagadda, Jianan Ai, and Sushil Challagonda**  
California State University, Chico, USA

**Haoyu Niu, Naila Khan, Ron Jacob, and Chitti Babu**  
California State University, Chico, USA

## John Howard Memorial University Grant Award

**Dr. Felix Vega**  
National University of Colombia, Bogota

## Sustained Service to the EMC Society Award

**Scott Lytle**  
For service since 2000, successfully leading the Southeastern Michigan EMC Chapter to become the most successful Chapter in the Section and also spearheading each year's very successful "EMC Fest"

## James C. Klouda Memorial Scholarship

**Benjamin Conley**  
Missouri University of Science and Technology  
For excellence in the field of EMC studies

## Certificate of Acknowledgement

**Masao Taki**  
For outstanding service as the Conference Chairperson of the 2014 International Symposium on Electromagnetic Compatibility, Tokyo (EMC'14/Tokyo)

**Jan Carlsson**  
For outstanding service as the Conference Chairperson of the EMC Europe 2014, Gothenburg, Sweden

**Stefan Dickmann**  
For outstanding service to the German EMC Chapter as chair of the working group on EMC

**Friedrich-Wilhelm Trautnitz**  
For outstanding service as Industry Relation Coordinator of the IEEE Germany Section EMC Society Chapter

**Dries Vande Ginste**  
For outstanding service as the Conference Chairperson of the 18th IEEE Workshop on Signal and Power Integrity (SPI 2014)

## Chapter Founder Award

**Yingsan Geng**  
For founding the Xi'an Section EMC Chapter

## Chapter of the Year Award

Eastern North Carolina Section EMC Chapter

## Most Improved Chapter Award

New Jersey Coast Section Joint AP/EMC/VT Societies Chapter

## Symposium Chair Award

**Bruce Archambeault**  
For his leadership and dedication as General Chairman of the very successful 2014 IEEE International Symposium on Electromagnetic Compatibility.

## Certificate of Recognition

**Bonnie Brench**  
For outstanding service for serving as the Registration Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

## Certificate of Appreciation

**Dennis Lewis**  
For outstanding service as an EMC Society Distinguished Lecturer 2012-2013

**Jay Diepenbrock**  
For outstanding service as an EMC Society Distinguished Lecturer 2012-2013

**Vignesh Rajamani**  
For outstanding service as an EMC Society Distinguished Lecturer 2012-2013

**Vince Rodriguez**  
For outstanding service as an EMC Society Distinguished Lecturer 2012-2013

**Dave Staggs**  
For outstanding service as a member of the EMC Society Board of Directors

**Amy Pinchuk**  
For outstanding service as a member of the EMC Society Board of Directors

**Mike Oliver**  
For outstanding service as EMC Society Awards Chair

**Jan Luiken ter Haseborg**  
For outstanding service as the Vice Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Ralf Vick**  
For outstanding service as the Vice Chair and Sponsor Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Frank Sabath**  
For outstanding service as the Treasurer for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Sven Fisahn**  
For outstanding service as the Secretary for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Heyno Garbe**  
For outstanding service as the Technical Program Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Frank Gronwald**  
For outstanding service as the Technical Papers Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Flavio Canavero**  
For outstanding service as the Global University Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**John Maas**  
For outstanding service as the Workshops and Tutorials Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Davy Pissort**  
For outstanding service as the Workshops and Tutorials Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Sam Connor**  
For outstanding service as the Demonstration and Experiments Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Stefan Dickmann**  
For outstanding service as the Demonstration and Experiments Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Colin Brench**  
For outstanding service as the Special Sessions Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Matthias Richter**  
For outstanding service as the Special Track Automotive Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Mark Steffka**  
For outstanding service as the Special Track Automotive Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Janet O'Neil**  
For outstanding service as the Publicity Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Ariane Wahrman**  
For outstanding service as the Publicity Co-Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Frank Leferink**  
For outstanding service for serving as the Public Relations Europe Coordinator for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Er-Ping Li**  
For outstanding service for serving as the Public Relations-Asia Pacific Coordinator for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Bruce Archambeault**  
For outstanding service as the Advisor for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

**Matthias Troscher**  
For outstanding service as the Social Media Chair for the Joint IEEE International Symposium on Electromagnetic Compatibility and EMC Europe, Dresden 2015

## In Memoriam

Robert J. Schlentz (1940-2015)  
Glenn Allan Shelby (1963-2015)

William "Bill" Kimmel (1940-2015)  
Guy deBurgh (1955-2014)  
David Fry (1956-2014)