

WELCOME TO THE 2013

AWARDS LUNCHEON

IEEE International Symposium on
Electromagnetic Compatibility



EMCawards

IEEE | 2013



NEWS FOR NEXT YEAR'S SYMPOSIUM!

SPECIAL ISSUE OF IEEE TRANSACTIONS ON EMC

Authors of accepted papers will be invited to submit an extended version of their symposium paper for possible inclusion in a special issue of the *IEEE Transactions on Electromagnetic Compatibility* featuring papers from the 2014 IEEE International Symposium on EMC. These submissions will be subjected to the same rigorous review as papers submitted for publication in regular issues of the *IEEE Transactions on EMC*.

NEW SCHOLARSHIP AWARD

The IEEE James C. Klouda Memorial Scholarship was established in honor of James C. Klouda and his professional career in the field of electromagnetic compatibility. The Scholarship Fund awards, on an annual basis, a scholarship to a qualified undergraduate student who seeks an electrical engineering degree with an emphasis in the field of electromagnetic compatibility or a related discipline, from an accredited US university or college. For more information, go to www.emcs.org and click on "Awards."

SI/PI COMING TO RALEIGH

The embedded Signal Integrity & Power Integrity (SI/PI) Conference will be a co-located event with the 2014 IEEE International Symposium on EMC. Registered attendees will have access to the entire EMC Symposium program, in addition to all the programs of the signal and power integrity conference, without additional fees. As high-speed designs continue evolving, signal/power integrity and other EMC problems become tightly related to each other. Thus, the conference provides a unique opportunity for attendees to exchange ideas and share experiences relevant for today's high-speed designs.

150TH ANNIVERSARY OF MAXWELL'S EQUATIONS

2014 marks the 150th anniversary of Maxwell's Equations. As noted in Bob Scully's continuing article on the life and times of James Clerk Maxwell published in this year's IEEE EMC Magazine, Maxwell's "A Dynamical Theory of the Electromagnetic Field" was submitted to the Royal Society of London in October of 1864. There will be a special session and other anniversary recognitions in tribute to Maxwell at next year's symposium.

Thank You

We would like to thank everyone who participated in this year's IEEE International Symposium on Electromagnetic Compatibility.



See you next year in Raleigh, North Carolina at EMC 2014!



CHANGE

AWARDS LUNCHEON PROGRAM

2013 AWARDS LUNCHEON PROGRAM

EMC Society President's Memorial Award

(Presented in memory of Carl Baum)

Hung-Chuan Chen, National Taiwan University

For significant technical contributions to noise mitigation and modeling technologies in EMC.

Richard R. Stoddart Award for Outstanding Performance

James Dreniak

For outstanding contributions to high-speed design of printed circuit boards and the mentoring of numerous outstanding EMC graduate engineers.

Laurence G. Cumming Award for Outstanding Service

Jan Luiken ter Haseborg

For many years of service to the EMC Society and the German Chapter as well as for his tireless efforts to unite European EMC Symposia.

Hall of Fame Award

Leonard "Len" Carlson

For outstanding service and long-standing support to the EMC Society Board of Directors and the local Seattle EMC Chapter.

James Toler

For outstanding service to the EMC Society Board of Directors and to the Atlanta EMC Chapter.

Takeo Yoshino

For outstanding service to the EMC Society Board of Directors and to the Japan EMC Chapter as well as for numerous technical contributions throughout his career.

IEEE Fellow Award

Tzong-Lin Wu

For contributions to noise mitigation technologies and electromagnetic compatibility design on printed circuit boards.

Wen-Yan Yin

For contributions to multi-physics solutions for intentional electromagnetic interference and nano-structure electromagnetic compatibility.

Leonid Grcev

For contributions to transient electromagnetic modeling of grounding systems.

Robert (Bob) Scully

For contributions to protection of aerospace systems from lightning and electromagnetic interference.

Technical Achievement Award

Brice Achkir

For contributions to embedded parametric testing and real-time diagnostics of physical layer design in multi-gigabit digital transmission systems.

Mario Paolone

For outstanding contributions to the modeling and measurement of electromagnetic field interaction between lightning events and power distribution systems and complex networks.

Richard B. Schulz Transactions Prize Paper Award

Time-Domain Distortion Analysis of Wide-band Electromagnetic-Field Sensors Using Hermite-Gauss Orthogonal Functions, Saboktakin, S. and Kordi, B., University of Manitoba, Winnipeg, Canada, 2012, Volume: 54, Issue: 3

Best Symposium Paper Award

A Wide-band Hybrid Antenna for Use in Reverberation Chambers, Andrew Marvin, York EMC Services, York, United Kingdom; John Dawson, Dr. Ian Flintoft, Dr. Linda Dawson, Prof. Jeremy Everard, Gregory Melia, University of York, York, United Kingdom; Giuseppe Esposito, Dept. Information Engineering, Università Politecnica delle Marche, Ancona, Italy

Map-based Analysis of IEMI Fault Injection into Cryptographic Devices, Yuichi Hayashi, Tohoku University, Sendai, Japan; Naofumi Homma, Takaaki Mizuki, Takafumi Aoki, Hideaki Sone, Tohoku University, Sendai, Japan

Experimental Validation of an 8 GHz EBG Based Common Mode Filter and Impact of Manufacturing Uncertainties, Francesco de Paulis, Hilmi Nisanci, Antonio Orlandi, University of L'Aquila, L'Aquila, Italy; Xiaoxiong Gu, Renato Rimolo-Donadio, Christian Baks, Young Kwark, IBM Research, Yorktown Heights, NY; Bruce Archambeault, Ph.D., Samuel Connor, Systems & Technology Group, IBM Corporation, RTP, NC

Best Student Symposium Paper Award

First Place
Emulation of Conducted Emissions of an Automotive Inverter for Filter Development in HV Networks, Martin Reuter, University of Stuttgart

Tied for 2nd Place
Implementation of Power Transmission Lines to Field Programmable Gate Array ICs for Managing Signal and Power Integrity, Sang Kyu Kim, Satyanarayana Telikepalli, and Sung Joo Park, Georgia Institute of Technology

High Frequency Battery Impedance Measurements for EMI Prediction, Roberto Mrad and Mohammad Sami Tabbakh, Lebanese University

Best Student EMC Hardware Design Award

Joe Chifos

Missouri University of Science and Technology

Sustained Service to the EMC Society Award

Harry Gaul

For fifteen years of service and dedication to the Phoenix EMC Chapter.

Chapter Founder Award

Bogdan Adamczyk and Kimball Williams

For forming the IEEE West Michigan Section EMC Society Chapter.

Joshua Le-Wei Li

For forming the IEEE Chengdu Section AP/EMC Joint Societies Chapter.

Huanhuan Gu

For forming the Kitchener-Waterloo Section EMC/MAG Joint Societies Chapter.

2013 Chapter of the Year Award

IEEE Nanjing Section AP/EMC/MTT Joint Societies Chapter

2013 Most Improved Chapter Award

IEEE Beijing Section EMC Chapter

Symposium Chair Award

Michael J. Oliver

For organizing a successful EMC Society International Symposium in Pittsburgh Pennsylvania, August 2012.

Certificate of Acknowledgement

D.C. Pande

For outstanding service as the General Chairperson of the 12th International Conference on Electromagnetic Interference & Compatibility (INCEMIC), Bangalore, India.

Antonio Maffucci

For outstanding service as the Conference Chairperson of the 16th IEEE Workshop on Signal and Power Integrity (SPI 2012), Sorrento, Italy.

Marcello D'Amore

For outstanding service as the Conference Chairperson of the EMC Europe 2012, Rome, Italy.

Filippo Marliani

For outstanding service as the General Chairperson of the 2012 ESA Workshop on Aerospace EMC, Venice, Italy.

Jim Blaha

For his leadership and dedication as Chairman of a full-day EMC seminar held annually for 12 consecutive years.

Certificate of Recognition

Patti Traver

For outstanding service as the Tours and Hospitality Co-Chair for the 2013 IEEE International Symposium on EMC.

Bonnie Brench

For outstanding service as the Registration Chair for the 2013 IEEE International Symposium on EMC.

Marti Wallen

For outstanding service as the Steering Committee Secretary for the 2013 IEEE International Symposium on EMC.

In Memoriam

Tom Dvorak (1924-2012)

Morrel Paul Bachynski (1930-2012)

Edwin Lee Bronaugh (1932-2012)

James G. Sketoe (1938-2012)

John G. Smith (1944-2012)

James C. Klouda (1928-2012)

Stanley James Kubina (1925-2013)

Kermit Phipps (1966-2013)

Eric Richard Schumann (1957-2013)

Certificate of Appreciation

Richard Georgerian

For outstanding service as the Vice Chair for the 2013 IEEE International Symposium on EMC.

Barry Wallen

For outstanding service as the Treasurer for the 2013 IEEE International Symposium on EMC.

Bruce Archambeault

For outstanding service as the Technical Papers Co-Chair for the 2013 IEEE International Symposium on EMC.

Perry Wilson

For outstanding service as the Technical Papers Co-Chair for the 2013 IEEE International Symposium on EMC.

Chris Holloway

For outstanding service as the Technical Program Chair for the 2013 IEEE International Symposium on EMC.

John Maas

For outstanding service as the Workshops & Tutorials Co-Chair for the 2013 IEEE International Symposium on EMC.

Randy Haupt

For outstanding service as the Workshops & Tutorials Co-Chair for the 2013 IEEE International Symposium on EMC.

Alee Langford

For outstanding service as the Marketing Chair for the 2013 IEEE International Symposium on EMC.

Colin Brench

For outstanding service as the Special Sessions Co-Chair for the 2013 IEEE International Symposium on EMC.

Sarah Seguin

For outstanding service as the Special Sessions Co-Chair for the 2013 IEEE International Symposium on EMC.

Charles Grasso

For outstanding service for serving as the Demonstrations & Experiments Co-Chair for the 2013 IEEE International Symposium on EMC.

Bob Scully

For outstanding service as the Demonstrations & Experiments Co-Chair for the 2013 IEEE International Symposium on EMC.

John Rohrbaugh

For outstanding service as the Publications Chair for the 2013 IEEE International Symposium on EMC.

John Stadille

For outstanding service as the Exhibits Chair for the 2013 IEEE International Symposium on EMC.

Amy Pinchuk

For outstanding service as the Youth Technical Program Chair for the 2013 IEEE International Symposium on EMC.

Rhonda Rodriguez

For outstanding service as the Arrangements Chair for the 2013 IEEE International Symposium on EMC.

Mark Steffka

For outstanding service as the Global EMC and SI University Chair for the 2013 IEEE International Symposium on EMC.

Eric Bogatin

For outstanding service as the Global EMC and SI University Co-Chair for the 2013 IEEE International Symposium on EMC.

Mike Kanda

For outstanding service as the Volunteer Chair for the 2013 IEEE International Symposium on EMC.

Dave Traver

For outstanding service as the Tours and Hospitality Co-Chair for the 2013 IEEE International Symposium on EMC.

Sandra Hernandez

For outstanding service as the Volunteer Coordinator for the 2013 IEEE International Symposium on EMC.

Janet O'Neil

For outstanding service as the Special Liaison and Advisor for the 2013 IEEE International Symposium.

Chuck Bunting

For outstanding service to the EMC Society as a Distinguished Lecturer, 2011-2012.

Jerry Meyerhoff

For outstanding service to the EMC Society as a Distinguished Lecturer, 2011-2012.

Win-Yan Yin

For outstanding service to the EMC Society as a Distinguished Lecturer, 2011-2012.

Vesna Roje

For outstanding service to the EMC Society as a member of the Board of Directors, 2010-2012.

Takeo Yoshino

For outstanding service to the EMC Society as a member of the Board of Directors for many years.

Andy Marvin

For outstanding service to the EMC Society as a member of the Board of Directors, 2010-2012.

Mike Oliver

For outstanding service to the EMC Society as a member of the Board of Directors, 2010-2012.

Larry Cohen

For outstanding service to the EMC Society as a member of the Board of Directors, 2010-2012.

Perry Wilson

For outstanding service to the EMC Society as Vice-President for Communication Services, 2011-2012.

Jeff Klinger

For outstanding service in restarting the Orange County, California EMC chapter.

Mauro Feliziani

For outstanding service as the Technical Program Chair of the EMC Europe 2012, Rome, Italy.

Heyno Garbe

For outstanding service as the Vice-Chair of the International Steering Committee of EMC Europe, 2008-2012.

Jan Luiken ter Haseborg

For outstanding service as the Chair of the International Steering Committee of EMC Europe, 2008-2012.

Brian Jones

For long time service to the United Kingdom & Republic of Ireland EMC Chapter both as past Chair and also as an on-going organizer of technical event content and speakers.

Louann Devine

For managing the educational classes on EMC presented by the IEEE EMC Society Chicago Chapter at the Illinois Institute of Technology, January 2013.

H Robert Hofmann

For supporting the educational classes on EMC presented by the IEEE EMC Society Chicago Chapter at the Illinois Institute of Technology, January 2013.

Roy Leventhal

For supporting the educational classes on EMC presented by the IEEE EMC Society Chicago Chapter at the Illinois Institute of Technology, January 2013.

Jerry Meyerhoff

For supporting the educational classes on EMC presented by the IEEE EMC Society Chicago Chapter at the Illinois Institute of Technology, January 2013.

Roger Swanberg

For supporting the educational classes on EMC presented by the IEEE EMC Society Chicago Chapter at the Illinois Institute of Technology, January 2013.