



2023 IEEE INTERNATIONAL SYMPOSIUM
ON ELECTROMAGNETIC COMPATIBILITY
& SIGNAL/POWER INTEGRITY

AWARD WINNERS

EMC SOCIETY PRESIDENT'S MEMORIAL AWARD (Presented in memory of Joe Fischer)

Shengxuan Xia

For outstanding work in the area of electromagnetic interference and RF desensitization

RICHARD R. STODDART AWARD FOR OUTSTANDING PERFORMANCE

Akimasa Hirata

For outstanding contributions to computational assessment and international standardization of human protection from electromagnetic fields

LAURENCE G. CUMMING AWARD FOR OUTSTANDING SERVICE

James Lukash

For establishing and supporting TC-8 (Aeronautics and Space EMC) past, present, and future

IEEE FELLOW AWARD

Yihong Qi

For contributions to over-the-air testing of massive MIMO systems and development of over-the-air measurement systems

TECHNICAL ACHIEVEMENT AWARD

Rodolfo Araneo

For outstanding contributions to the understanding of electromagnetic shielding physics and to the computational modeling of shielding problems

Chulsoon Hwang

For outstanding contributions to the understanding and mitigation of RF desensitization in wireless devices

Yan Li

For outstanding contributions to electromagnetic modeling for signal integrity and radiation suppression design of neuromorphic chips and IC systems

Yoshitaka Toyota

For outstanding contributions to the modeling and characterization of semiconductor devices, printed circuit boards, and cables for EMC design

JAMES C. KLOUDA MEMORIAL SCHOLARSHIP AWARD

Cody Goins

For outstanding performance as a student pursuing a future career in EMC

HONORED MEMBER AWARD

Bruce Archambeault

For a life time of dedicated service to the EMC Society

RICHARD B. SCHULZ BEST TRANSACTIONS ON EMC PAPER AWARD

**Tom Hartman, Bas ten Have,
Johan Dijkstra, Roelof Grootjans,
Niek Moonen, Frank Leferink**

"Susceptibility of Static Energy Meters Due to Amplifier Clipping Caused by a Rogowski Coil" IEEE Transactions on Electromagnetic Compatibility Year: 2022 | Volume: 64, Issue: 6

RICHARD B. SCHULZ BEST TRANSACTIONS ON EMC PAPER AWARD — HONORABLE MENTION

**Riccardo Aramini, Massimo Brignone,
Daniele Mestriner, Matteo Pastorino,
Renato Procopio, Andrea Randazzo,
Marcos Rubinstein**

"On the Fourier Transform of Measured Electric Fields Radiated by a Lightning Return Stroke", IEEE Transactions on Electromagnetic Compatibility, Year: 2022 | Volume: 64, Issue: 4

MOTOHISA KANDA AWARD FOR MOST CITED (2018-2022) TRANSACTIONS ON EMC PAPER AWARD

Da Li, Tian-Wu Li, Er-Ping Li, Yao-Jiang Zhang

"A 2.5-D Angularly Stable Frequency Selective Surface Using Via-Based Structure for 5G EMI Shielding", IEEE Transactions on Electromagnetic Compatibility, Year: 2018 | Volume: 60, Issue: 3 Cited by: Papers (89)

BEST EMC SYMPOSIUM PAPER AWARD

**Rafael Suárez, María Tijero, Roberto Moreno,
Aitor Arriola, Jose Manuel González**

"3-D Modeling and Characterization of Ferrite and Nanocrystalline Magnetic Cores for EMI Applications"

BEST EMC SYMPOSIUM PAPER AWARD — HONORABLE MENTION

Taiki Kitazawa, Seiya Takano, Yuichi Hayashi

"Reconstruction of Sound Information Leakage Signals Obtained from Multiple Demodulation Methods"

BEST SIPI SYMPOSIUM PAPER AWARD

**Hyunwook Park, Taein Shin, Seongguk Kim,
Keeyoung Son, Keunwoo Kim, Boogyo Sim,
Hyungmin Kang, Seonguk Choi, Jiwon Yoon,
Hyunwoo Kim, Chulsoon Hwang, Joungho Kim**

"Power Supply Induced Jitter (PSIJ) Modeling, Analysis, and Optimization of High Bandwidth Memory (HBM) I/O Interface"

BEST SIPI SYMPOSIUM PAPER AWARD — HONORABLE MENTION

**Ling Zhang, Li Jiang, Shurun Tan, Hanzhi Ma,
Da Li, Er-Ping Li**

"A Physics-Based Genetic Algorithm for Decap Optimization in Power Distribution Networks"

Natalia Mee

For outstanding service as the 2023 IEEE EMC+SIPI Local Arrangements Chair

BEST EMC SYMPOSIUM STUDENT PAPER AWARD

**Xiangrui Su, Wenchang Huang, Junghee
Cho, Joonki Paek, Chulsoon Hwang**

"Near Field Scanning-Based EMI Radiation Root Cause Analysis in an SSD"

BEST EMC SYMPOSIUM STUDENT PAPER AWARD — HONORABLE MENTION

**Dao Lin, Zhanghua Cai, Lidong Chi, Fuhai Li,
James Drewniak, Gang Feng, Yihong Qi**

"Challenges and Prospects of Vehicle OTA Spherical Near-Field Measurement Probes"

BEST SIPI SYMPOSIUM STUDENT PAPER AWARD

**Emmanuel Olugbade, Hiep Pham,
Yuchu He, Haicheng Zhou,
Chulsoon Hwang, Jonghyun Park**

"Oxidation Layer Formation on Aluminum Substrates with Surface Defects using Molecular Dynamics Simulation"

BEST SIPI SYMPOSIUM STUDENT PAPER AWARD — HONORABLE MENTION

**Shengxuan Xia, Baris M. Dogruoz,
Yansheng Wang, Songping Wu, Siqi Bai,
Chulsoon Hwang, Ken Wu**

"A Thermal-Aware DC-IR Drop Analysis for 2.5D IC"

STUDENT EMC HARDWARE DESIGN COMPETITION AWARD

Winner: Giorgi Tsintsadze, *Missouri University of Science & Technology, Rolla*

1st Runner Up: Hyunwoong Kim & Team, *Korea Advanced Institute of Science & Technology (KAIST)*

2nd Runner Up: Iqra Aitbar & Team, *University of Nottingham*

HERBERT K. MERTEL YOUNG PROFESSIONAL AWARD

DongHyun (Bill) Kim

For outstanding contributions to modeling and characterization of inhomogeneous dielectric materials and via structures to reduce crosstalk levels in high-speed channels

CHAPTER OF THE YEAR AWARD IEEE EMC Southeast Michigan Chapter

MOST IMPROVED CHAPTER AWARD IEEE EMC Benelux Chapter

CHAPTER FOUNDER AWARD

Achmad Munir

Bali, Indonesia EMC Chapter

SYMPOSIUM CHAIR AWARD

Janet O'Neil

For her leadership and dedication as General Chair of the 2022 IEEE International Symposium on Electromagnetic Compatibility and Signal/Power Integrity

CERTIFICATE OF RECOGNITION

Candace Suriano

For outstanding contributions to youth-focused EMC education

CERTIFICATE OF ACKNOWLEDGEMENT

Jan Carlsson and Torbjörn Persson

For outstanding service as Co-Chairs of the EMC Europe 2022 Conference

Er-Ping Li

For outstanding service as Chair of the 2022 Asia-Pacific Symposium on Electromagnetic Compatibility (APEMC)

Dwi Mandaris

For outstanding service as Chair of the 7th IEEE Global EMC Conference (GEMCCon) 2023

Johannes Wolf

For outstanding service as Chair of the 2022 ESA Workshop on Aerospace EMC

CERTIFICATE OF APPRECIATION

**Salvatore Celozzi, Cheng-Nan Chiu,
Ming-Dou Ker, and David Pommerenke**

For outstanding contributions as Guest Editors of the IEEE Transactions on EMC

Marcos Rubinstein and Keyhan Sheshyekani

For outstanding contributions as Associate Editors of the IEEE Transactions on EMC

**Wendem Beyene, Alexandre Piantini,
Stephen Scearce, and Akimasa Hirata**

For significant contribution to the administration and overall success of the EMC Society as Distinguished Lecturers (2021-2022)

**M. Antyufeyeva, D. Gope, F. Leferink,
C. Schuster, M. Steffka, and M. Violette**

For significant contribution to the administration and overall success of the EMC Society as Members of the Board of Directors (2020-2022)

Bruce Archambeault

For significant contribution as the EMC Society Awards Committee Chair

**Matthias Hampe, Jens Werner,
Sven Battermann, Miroslav Kotzev, and
Stefan Dickmann**

For significant contribution to the administration and overall success of the EMC Society

John Suriano

For outstanding contributions to youth-focused EMC education

Stephen Scearce

For outstanding service as the 2023 IEEE EMC+SIPI Financial Chair

Gene Saltzberg

For outstanding service as the 2023 IEEE EMC+SIPI Technical Program Chair

Scott Mee

For outstanding service as the 2023 IEEE EMC+SIPI Technical Program Vice Chair

Stephanie Zajac

For outstanding service as the 2023 IEEE EMC+SIPI Secretary and Youth Program Chair

Sam Connor

For outstanding service as the 2023 IEEE EMC+SIPI Technical Papers Chair EMC

Xiaoning Ye

For outstanding service as the 2023 IEEE EMC+SIPI Technical Papers Chair SIPI

Todd Hubing and Francesca Maradei

For outstanding service as the 2023 IEEE EMC+SIPI Special Sessions Co-Chairs

Alistair Duffy

For outstanding service as the 2023 IEEE EMC+SIPI Exhibition/Sponsorship Chair

EMC TRANSACTIONS

2022 DISTINGUISHED REVIEWERS

Xing Chang Wei

Zhejiang University, China

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Metatech Corporation, United States

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Central Research Institute of Electric Power Industry, Japan

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Zhejiang University, China

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University of Michigan, United States

Giampiero Lovat

University of Rome "La Sapienza", Italy

Zacharias Datsios

University of Western Macedonia, Greece

IN MEMORIAM

Joe Fischer (1928-2022)

Steve Ferguson (1947-2022)

Takeo Yoshino (1930-2022)

Al Mills (1922-2021)

Robbie Tuttle (1956-2021)

Vince Mancino (1929-2022)

Milton Kant (1925-2023)

CONGRATULATIONS TO THE FOLLOWING EMC SOCIETY MEMBERS WHO WERE ELECTED TO THE IEEE FELLOW GRADE IN 2023 THESE MEMBERS ARE SHOWN BELOW WITH THEIR EVALUATING SOCIETY

Francesco Andriulli, Antennas and Propagation

Jean-Luc Schanen, Industry Applications

Jaleel Akhtar, Microwave Theory and Technology

Stefan Tenbohlen, Power Electronics

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