



WELCOME TO THE 2022 EMC SOCIETY AWARDS LUNCHEON



THANK YOU

to the attendees of the
2022 IEEE International Symposium
on Electromagnetic Compatibility,
Signal and Power Integrity for
joining us in Spokane, WA.



DON'T MISS OUT!

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

This is the leading event globally that provides education on EMC, Signal and Power Integrity (SIPI), as well as other related topics such as wireless and automotive. The Symposium features five full days of innovative sessions, interactive workshops/tutorials, experiments and demonstrations, plus social networking events.

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2022 IEEE INTERNATIONAL SYMPOSIUM ON
ELECTROMAGNETIC COMPATIBILITY &
SIGNAL/POWER INTEGRITY

65th
ANNIVERSARY OF
IEEE EMC SOCIETY



THURSDAY, AUGUST 4, 2022

EMC SOCIETY AWARDS LUNCHEON

SPOKANE CONVENTION CENTER
Centennial Ballroom 300AB

www.emc2022.emcss.org
#IEEE_ESP22



2022 IEEE EMC+SIPI SPOKANE, WASHINGTON

EMC SOCIETY PRESIDENT'S MEMORIAL AWARD

(Presented in memory of Henry Ott)

Yuanzhuo Liu

For outstanding work as a Ph.D. student in EMC/SIPI at Missouri University of Science & Technology

RICHARD R. STODDART AWARD FOR OUTSTANDING PERFORMANCE

Jun Fan

For pioneering contributions in understanding radio-frequency interference issues and developing systematic analysis and mitigation approaches in modern wireless devices

LAURENCE G. CUMMING AWARD FOR OUTSTANDING SERVICE

Jerry Ramie

For promoting meaningful EMC immunity testing for utility control products over the last decade

HALL OF FAME AWARD

Tom Van Doren

For a lifetime of exemplary achievement in EMC education, including hundreds of short courses and the development of the first EMC course at the University of Missouri-Rolla, still being offered nearly 40 years later

Liugi R. Koga

For outstanding technical achievement on EMC design methods and promoting stronger ties between EMC academia in Asia and the IEEE EMC Society

David V. Giri

For major contributions through R&D efforts in High-Power Electromagnetics including Nuclear Electromagnetic Pulse, High-Power Microwaves, and Ultra-Wideband Systems and Applications

IEEE FELLOW AWARD

Zhiping Yang

For contributions to signal and power integrity in high-performance data center electronics

Xiaoning Ye

For contributions to high-speed interconnect design, optimization, and measurement methods

TECHNICAL ACHIEVEMENT AWARD

Stephen Searce

For outstanding research and design in the signal integrity and power integrity fields

James C. West

For a long history of contributing to technical advancements in his RF, microwave, and EMC careers

Bo Pu

For outstanding contributions in signal and power integrity solutions for 2.5D/3D integrated circuits

SUSTAINED SERVICE TO THE EMC SOCIETY AWARD

Jan Luiken Ter Haseborg

For his enduring outstanding service to the German EMC Chapter and the EMC Society

HONORED MEMBER AWARD

Robert Scully

For outstanding continued service in leadership for the IEEE EMC Society

RICHARD B. SCHULZ BEST TRANSACTIONS ON EMC PAPER AWARD

Majid Ahadi Dolatsara, Jose Ale Hejase, Wiren Dale Becker, Jinwoo Kim, Sung Kyu Lim, and Madhavan Swaminathan

"Worst-Case Eye Analysis of High-Speed Channels Based on Bayesian Optimization" IEEE Transactions on Electromagnetic Compatibility Year: 2021, Volume: 63, Issue: 1

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

Frank T. Werner, Jelena Dinkić, Dragan Olćan, Antonije Djordjević, Milos Prvulović, and Alenka Zajić

"An Efficient Method for Localization of Magnetic Field Sources That Produce High-Frequency Side-Channel Emanations", IEEE Transactions on Electromagnetic Compatibility, Year: 2021, Volume: 63, Issue: 6

MOTOHISA KANDA AWARD FOR MOST CITED (2017-2021) TRANSACTIONS ON EMC PAPER AWARD

Saptarshi Ghosh and Kumar Vaibhav Srivastava

"Broadband Polarization-Insensitive Tunable Frequency Selective Surface for Wideband Shielding", IEEE Transactions on Electromagnetic Compatibility, Year: 2018, Volume: 60, Issue: 1, Cited by: Papers (65)

BEST EMC SYMPOSIUM PAPER AWARD

Shengxuan Xia, Jun Fan, and Chulsoon Hwang

"Clock Duty Cycle Tuning for Desense Mitigation in Modulation – Involved Cases"

BEST EMC SYMPOSIUM PAPER AWARD — HONORABLE MENTION

Fuwei Ma, Ruijie He, Sameer Walunj, Tamar Makharashvili, Chulsoon Hwang, Daryl Beetner, Brian Booth, and Kerry Martin

"Predicting Radiated Emissions from a Complex Transportation System Wiring Harness"

BEST SIPI SYMPOSIUM PAPER AWARD

Chaofeng Li, Biyao Zhao, Bo Pu, Xu Wang, DongHyun Kim, and Jun Fan

"PEEC-Based On-Chip PDN Impedance Modeling Using Layered Green's Function"

BEST SIPI SYMPOSIUM PAPER AWARD — HONORABLE MENTION

Yang Wu, Wenwu Wang, Yinghua Ye, Yinglei Ren, Michael Leddige, and Xiaoning Ye

"Analysis of Noise Coupling from Switching Voltage Regulator and Power Distribution Network to Differential Stripline Traces"

BEST EMC SYMPOSIUM STUDENT PAPER AWARD

Wei Zhang, Rui Mi, and Victor Khilkevich

"3D Printed Multilayer Microwave Absorber"

BEST EMC SYMPOSIUM STUDENT PAPER AWARD — HONORABLE MENTION

James Hunter, Shengxuan Xia, Aaron Harmon, Mohamed Z.M. Hamdalla, Ahmed M. Hassan, Victor Khilkevich, and Daryl G. Beetner

"A Segmentation Strategy for Structures with Common Mode Coupling"

BEST SIPI SYMPOSIUM STUDENT PAPER AWARD

Jiangshuai Li, Yuanzhuo Liu, Liang Liu, Shengxuan Xia, Scott Hinaga, and Victor Khilkevich

"Dielectric Loss Tangent Extraction Using Two Single-Ended Striplines of Different Width"

BEST SIPI SYMPOSIUM STUDENT PAPER AWARD — HONORABLE MENTION

Yifan Ding, Matthew S. Doyle, Samuel Connor, Dale Becker, and James L. Drewniak

"Physics-Based Modeling for Determining Transient Current Flow in Multi-Layer PCB PI Designs"

STUDENT EMC HARDWARE DESIGN COMPETITION AWARD

Lukasz Nowarkiewicz, Paulina Sznajdrowska, and Nikoloz Glonti, Poznan University of Technology, Poland

"Charging the Phone Adventure"

STUDENT EMC HARDWARE DESIGN COMPETITION AWARD — HONORABLE MENTION

Ameya Ramadurgakar, University of Colorado, Boulder

"Dr. Strange Signal or How I Learned to Stop Worrying on PI and Learnt the Hacks"

YOUNG PROFESSIONAL AWARD

Pavithrkrishnan Radhakrishnan

For outstanding services to the IEEE EMC Society, especially in the Benelux region, and to the IEEE EMC Education Committee

CHAPTER OF THE YEAR AWARD IEEE EMC Israel Chapter

MOST IMPROVED CHAPTER AWARD IEEE EMC Poland Chapter

SYMPOSIUM CHAIR AWARD

Alistair Duffy

For his outstanding chairmanship of the 2021 Joint IEEE EMC+SIPI and EMC Europe Symposia

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CERTIFICATE OF RECOGNITION

Emily Nagel

For outstanding service as the 2022 IEEE EMC + SIPI Companion Chair

Bonnie Brench

For outstanding service as the 2022 IEEE EMC + SIPI Registration Chair

Stephanie Zajac

For outstanding service as the 2022 IEEE EMC + SIPI Secretary and Youth Program Chair

CERTIFICATE OF APPRECIATION

Christos Christopoulos

For outstanding and dedicated service as the EMC Magazine Associate Editor for Theme Papers

Ji Chen and Akimasa Hirata

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

Krzysztof Sieczkarek

For his outstanding efforts and support of the Polish EMC Chapter and the EMC Society

Zhiping Yang, Flavio Canavero, Xiang Cui, and Erping Li

For outstanding contributions as Associate Editors of the Transactions on EMC

D. V. Giri, Bhyrav Mutnury, Alpesh Bhobe, and Michael McInerney

For significant contribution to the administration and overall success of the EMC Society as Distinguished Lecturers (2020-2021)

Ross Carlton, Caroline Chan, Tom Braxton, Henry Benitez, Yuki Fukumoto, and Davy Pissort

For significant contribution to the administration and overall success of the EMC Society as Members of the Board of Directors (2019-2021)

Pavithrkrishnan Radhakrishnan, Mohammad Kameli, and Zhao Chen

For outstanding performance revitalizing the Student EMC Hardware Design Competition

Dennis Lewis

For outstanding service as the 2022 IEEE EMC+SIPI Vice-Chair

Stephen Searce

For outstanding service as the 2022 IEEE EMC+SIPI Treasurer

Frank Leferink

For outstanding service as the 2022 IEEE EMC+SIPI Symposium Technical Program Chair

Zhiping Yang

For outstanding service as the 2022 IEEE EMC+SIPI Technical Papers Co-Chair EMC

Xiaoning Ye

For outstanding service as the 2022 IEEE EMC+SIPI Technical Papers Co-Chair SIPI

Todd Hubing and Francesca Maradei

For outstanding service as the 2022 IEEE EMC+SIPI Special Sessions Co-Chairs

Alistair Duffy

For outstanding service as the 2022 IEEE EMC+SIPI Exhibition/Sponsorship Chair

Flavia Grassi and John Maas

For outstanding service as the 2022 IEEE EMC+SIPI Workshops and Tutorials Co-Chairs

Mark Steffka

For outstanding service as the 2022 IEEE EMC+SIPI Clayton R. Paul Global University Chair

Jacob Nixon and Gabe Alcala

For outstanding service as the 2022 IEEE EMC+SIPI Demonstrations and Experiments Co-Chairs

Vignesh Rajamani

For outstanding service as the 2022 IEEE EMC+SIPI Publications Chair

Alpesh Bhobe

For outstanding service as the 2022 IEEE EMC+SIPI Volunteer Chair

Patrick DeRoy

For outstanding service as the 2022 IEEE EMC+SIPI Young Professionals Chair

Ross Carlton

For outstanding service as the 2022 IEEE EMC+SIPI Standards Week Chair

Susanne Vogel

For outstanding service as the 2022 IEEE EMC+SIPI Marketing Chair

CONGRATULATIONS TO THE FOLLOWING EMC SOCIETY MEMBERS WHO WERE ELECTED TO THE IEEE FELLOW GRADE IN 2022.

THESE MEMBERS ARE SHOWN BELOW WITH THEIR EVALUATING SOCIETY.

Hongsheng Chen, Antennas and Propagation

Tommaso Isernia, Antennas and Propagation

Mario Paolone, Power and Energy

EMC TRANSACTIONS:

2021 DISTINGUISHED REVIEWERS

Xing Chang Wei

Zhejiang University, China

Flavia Grassi

Politecnico di Milano, Italy

Giordano Spadacini

Politecnico di Milano, Italy

Yoshihiro Baba

Doshisha University, Japan

Francesco de Paulis

University of L'Aquila, Italy

Akiyoshi Tatematsu

Central Research Institute of Electric Power Industry, Japan

Mathias Magdowski

Otto-von-Guericke Universität, Germany

William Radasky

Metatech Corporation, USA

Giulio Antonini

University of L'Aquila, Italy

Niek Moonen

University of Twente, Netherlands

Giampiero Lovat

University of Rome "La Sapienza", Italy

IN MEMORIAM

Henry Ott: 1936-2021

Don Sweeney: 1941-2021

Bud Taggart: 1927-2021

Herb Mertel: 1931-2021

Len Carlson: 1930-2022

Wladyslaw Moron: 1932-2022

Donald Weiner: 1934-2021

William Gamble: 1940-2021

Bill Limburg: 1938-2021

Cees Keyser: 1963-2022