IEEE Transactions on Electromagnetic Compatibility: Reviewer Appreciation Program

By Farhad Rachidi, IEEE Transactions on EMC Editor-in-Chief

In 2013, the *IEEE Transactions on Electromagnetic Compatibility* established a program to appreciate the voluntary work of our reviewers, which is fundamental to maintaining the highest standards of the EMC Transactions.

In this program, a number of outstanding reviewers are recognized each year by receiving the title of Distinguished Reviewer of the *IEEE Transactions on Electromagnetic Compatibility*. The distinction is based on the number of submitted reviews and the reviewer score (Associate Editors were not considered).

In 2013, more than 500 experts in various fields of EMC have served as a reviewer for the Transactions. It is my great pleasure to introduce below the 2013 Distinguished Reviewers of the *IEEE Transactions on Electromagnetic Compatibility.* The selected reviewers have each reviewed more than 10 manuscripts in 2013 and obtained the highest score from the Associate Editors.

My sincere congratulations go to all of them for this recognition. I also take advantage of this opportunity to express my sincere gratitude to all our reviewers for their precious support, outstanding service and dedication.

2013 Distinguished Reviewers (in alphabetical order)

Guido Ala (M '02) received the Laurea degree (Master degree) in Electrical Engineering (cum laude and with honours) from the University of Palermo, Italy, in 1989. For the research on grounding systems simulation reported in his Master's dissertation, Dr. Ala won an award from the National Telecommunications Corporation and a prize from a local Public Administration. In 1994, he received the Ph.D. degree in Electrical Engineering (Electrical Sciences) from the Italian Ministry of Education, University and Research (MIUR). From 1992 to 1996, he was a Professor at the Italian technical high schools. After an industrial experience as an energy engineer in the Municipal Gas Company of Palermo, he joined the Department of Electrical, Electronic and Telecommunication Engineering of the University of Palermo, where he was appointed as a university researcher from 1996 to 2004. Since 2005 he is an associate Professor at the same department. Professor Ala is the director of the DEIM laboratory for Modeling and Electromagnetic Simulation – MOSEM. His main research interests are in the fields of electromagnetic numerical methods including MoM, FDTD, application of wavelets, mesh-free innovative solver in computational electromagnetics, electromagnetic transient analysis, lightning, electromagnetic compatibility, partial discharge detection, biomedical engineering including magneto encephalography and electromagnetic fields effect on humans, electrical analogies in viscoelasticity. During the 3rd International Symposium on Electromagnetic Compatibility - EMC'98 ROMA, which took place in Roma (Italy) on September 14-18, 1998, he was selected from the U.R.S.I. Commissions for a Young Scientist Award. He serves as a reviewer for several international journals and is a member of the Editorial Advisory Board of Recent Patents on Electrical and Electronic Engineering. Professor Ala has authored numerous scientific papers published in peer reviewed international and national journals, in international volumes, and in the proceedings of international and national conferences.

Guillaume Andrieu was born in 1980 in Limoges, France. He received the Master's degree in radiofrequencies and optical communications from the University of Limoges, in 2003, and the Ph.D. degree in electronics from the IEMN laboratory, Group Telice, University of Lille, Villeneuve d'Ascq, France, in 2006. In 2003, he was also with Renault Technocentre, Guyancourt, France. In 2006, he joined the Xlim laboratory as a postdoctoral fellow, Limoges. Since 2009, he is an assistant Professor at Xlim laboratory, University of Limoges. His current research interests mainly include cable couplings and reverberation chambers. In parallel, he is also the co-coordinator of a European Tempus project called EOLES ("Electronics & Optics e-learning for Embedded Systems").

Yoshihiro Baba (S'95-M'99-SM'13) received the B.S., M.S., and Ph.D. degrees from the University of Tokyo, Tokyo, Japan, in 1994, 1996 and 1999, respectively. In 1999, he joined Doshisha University, Kyoto, Japan, where since 2012 he has been a Professor. From April 2003 to August 2004, he was a Visiting Scholar at the University of Florida, Gainesville, on sabbatical leave from Doshisha University. He is the author or coauthor of more than 50 papers published in reviewed journals. Dr. Baba is a Co-chairperson of the Technical Program Committee of the 2013 Asia-Pacific Conference on Lightning and a Co-chairperson of the Technical Committee on Lightning of the Asia-Pacific Electromagnetic Compatibility Symposium. Since 2009, he has been an Editor of the IEEE Transactions on Power Delivery.

Kai Borgeest (M'94–SM'05) studied Electrical Engineering at Hannover University, University of Rome "La Sapienza" and Technical University of Hamburg-Harburg, where he received the "Diplom-Ingenieur" degree in 1993 and the Ph.D. in

1998. From 1986 to 1987 he worked in the maintenance of defense electronics. During his studies he worked at Philips Semiconductors, Hamburg (discrete and integrated semiconductors), Philips Medical Systems, Hamburg (radiography and tomography) and Iskra Videomatika, Ljubljana (consumer electronics). From 1998 to 2003 he worked as a developer and as a project manager in the development of electronic Diesel control systems at Robert Bosch GmbH, Stuttgart. Since 2003 he is a full Professor at Aschaffenburg University of Applied Science with emphasis on automotive electronics. He is the author of more than 20 scientific papers, author, co-author and co-editor of several books about automotive electronics and hybrid powertrains.

Charles F. Bunting (S'89–M'94–SM'11) received the A.A.S. degree in electronics technology from Tidewater Community College, Norfolk, VA, in 1985, the B.S. degree in engineering technology with highest honors from Old Dominion University, Norfolk, in 1989, and the M.S. degree in electrical engineering from Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, in 1992. From 1991 to 1994, he held a Bradley Fellowship and a DuPont Fellowship, and in 1994, he was awarded the Ph.D. degree in electrical engineering from Virginia Tech. He was employed at the Naval Aviation Depot in Norfolk, VA, as an Apprentice, an Electronics Mechanic, and an Electronics Measurement Equipment Mechanic from 1981 to 1989. From 1994 to 2001, he was an Assistant/Associate Professor at Old Dominion University in the Department of Engineering Technology where he worked closely with the National Aeronautics and Space Administration Langley Research Center on electromagnetic field penetration in aircraft structures and reverberation chamber simulation using finite-element techniques. In late 2001, he joined the faculty of Oklahoma State University as an Associate Professor and was promoted to Full Professor in August of 2011. His chief research interests are engineering education, applied computational electromagnetics, statistical electromagnetics, electromagnetic characterization and application of reverberation chambers, and the analysis and development of near infrared tomography and microwave acoustic tomography for prostate cancer detection.

Johan Catrysse (M'78–SM'05) received the M.S. degree in electrical engineering from the University of Ghent, Ghent, Belgium, in 1971, and the Ph.D. degree from the Katholieke Universiteit Leuven (K.U. Leuven), Leuven, Belgium in 2005. He was a Full Professor at the Catholic University College of Bruges-Ostend, Ostend, Belgium, and the Founder of the Flanders Mechatronic Engineering Centre. He is currently an Associate Professor at the Microelectronics and Sensors/Department of Electrical Engineering/K.U. Leuven. His research interests include electromagnetic compatibility (EMC) and reliability of electronic devices. Dr. Catrysse is a Co-Founder of the EMC Europe Symposia.

David A. Hill was born in Cleveland, OH, on April 21, 1942. He received the B.S.E.E. and M.S.E.E. degrees from Ohio University, Athens, in 1964 and 1966, respectively, and the Ph.D. degree in electrical engineering from Ohio State University, Columbus, in 1970. From 1970 to 1971, he was a Visiting Fellow with the Cooperative Institute for Research in Environmental Sciences, Boulder, CO, where he worked on pulse propagation. From 1971 to 1982 he was with the Institute for Telecommunications Sciences, Boulder, CO, where he worked on antennas and propagation. Since 1982 he has been with the National Institute of Standards and Technology, Boulder, CO, where he works on electromagnetic theory. He has also served as an Adjunct Professor in the Department of Electrical and Computer Engineering of the University of Colorado, Boulder where he has taught a graduate course in electromagnetic theory and served on numerous graduate student committees. Dr. Hill is a member of URSI Commissions A, B, E, and F and a Life Fellow of the IEEE. He was the recipient of the 2011 Richard R. Stoddart Award for technical achievement from the IEEE EMC Society. He has served as a technical editor for the *IEEE Transactions on Geoscience and Remote Sensing* and the *IEEE Transactions on Antennas and Propagation.*

Grzegorz Maslowski received the M.S. degree in electrical engineering from the Rzeszow University of Technology, Poland, and the Ph.D. degree from the University of Mining and Metallurgy in Krakow, Poland, in 1991 and 1999, respectively. Since 1991, he has been with the Department of Electrical and Computer Engineering at the Rzeszow University of Technology. He was a visiting researcher at the University of Bologna and at the University of Florida, Gainesville. His main areas of interest include lightning physics, lightning protection, and signal processing. He has a total of 90 publications on lightning and its effects. He is a member of the scientific committees and boards of reviewers of several international conferences. Since 2012, Professor Maslowski is the Chairman of the Polish Committee on Lightning Protection (PCLP) at the Association of Polish Electrical Engineers. Presently, he is the Dean of the Faculty of Electrical and Computer Engineering at the Rzeszow University of Technology and Head of the Department of Electrical and Computer Engineering Fundamentals. He is a member of the American Geophysical Union (AGU), the IEEE EMC Society, the Polish Society of Theoretical and Applied Electrical Engineering and the international standardization committees related to lightning protection, IEC TC81 and CENELEC TC 81X. He was also a member of the Working Group 2 of the European COST Action P18: The Physics of Lightning Flash and Its Effects.

Franco Moglie (M'91–SM'12) was born in Ancona, Italy, in 1961. He received the "Dottore Ingegnere" degree in electronics engineering from the University of Ancona (now Università Politecnica delle Marche), Ancona, in 1986, and the Ph.D. degree in electron-

ics engineering and electromagnetics from the University of Bari, Bari, Italy, in 1992. Since 1986, he has been a Tenured Researcher with the Dipartimento di Elettronica ed Automatica, Università Politecnica delle Marche, Ancona, where, since 2011, he has been with the Department of Information Engineering. His current research interests include EM numerical techniques and power applications of EM fields. In particular, his research activity is in the field of the application of reverberation chambers for compliance testing and for metrology applications. He is the principal investigator of the 2013 Prace Awarded Project entitled "Complete statistical simulation of reverberation chamber." Dr. Moglie is a member of the IEEE Electromagnetic Compatibility Society and the Italian Electromagnetics Society (SIEm).

Albert E. Ruehli (M'65-SM'74-F'84-LF'03) received his Ph.D. degree in Electrical Engineering in 1972 from the University of Vermont, Burlington, and an honorary doctorate in 2007 from the Lulea University in Sweden. Since 1972, he has been at IBM's T.J. Watson Research Center in Yorktown Heights, New York, where he was a Research Staff Member in the Electromagnetic Analysis Group. He is now an Emeritus of IBM Research and an adjunct Professor in the EMC area at the Missouri University of Science and Technology. He is the editor of two books and he is an author or coauthor of over 200 technical papers. Dr. Ruehli has served in numerous capacities for the IEEE. In 1984 and 1985, he was the Technical and General Chairman, respectively, of the ICCD International Conference. He has been a member of the IEEE ADCOM for the Circuit and System Society and an associate editor for the *Transactions on Computer-Aided Design.* He has given talks at universities including keynote addresses and tutorials at conferences, and has organized many sessions. He received the IBM Research Division or IBM Outstanding Contribution Awards in 1975, 1978, 1982, 1995 and 2000. In 1982, he received the Guillemin-Cauer Prize Award for his work on waveform relaxation, and in 1999, he received a Golden Jubilee Medal, both from the IEEE CAS Society. In 2001, he received a Certificate of Achievement from the IEEE EMC Society for inductance concepts and the Partial Element Equivalent Circuit (PEEC) method. He received the 2005 Richard R. Stoddart Award, and in 2007 he received the Honorary Life Member Award from the IEEE Electromagnetic Compatibility Society for outstanding technical performance. In 2010 he received a best paper award at the EPEPS conference for his work on optimized waveform relaxation. He is a Life Fellow of the IEEE and a member of SIAM.

Ramiro Serra received the M.Sc. degree in electronic engineering from the Instituto Tecnológico de Buenos Aires, Argentina, in 2000, the postgraduate degree specializing in technological applications of nuclear energy from Instituto Balseiro, Argentina in 2004 and the Ph.D. degree in electronics and communications engineering from Politecnico di Torino, Italy in 2009. He is currently an assistant Professor within the Electrical Energy Systems group at the Eindhoven University of Technology in The Netherlands.

Hua Zeng received B.S. and M.S. degrees in automotive engineering from Tsinghua University, Beijing, China, in 2001 and 2004, respectively. He received an M.S. in mechanical engineering from the University of Missouri-Rolla in 2006, and a Ph.D. degree in electrical engineering from Clemson University in 2010. He is currently an electromagnetic compatibility specialist with Hitachi America in Farmington Hills, Michigan. Dr. Zeng served as a Vice-Chair of Technical Services and a Director of Education at Chapter VIII (EMC) of the IEEE Southeastern Michigan Section. He is a member of IEEE and SAE. **EMC**