



Candidate for MSDAD Technical Department Chair, IAS Executive Board, 2022-2023

Maciej A. Noras received M.S. in 1994 from Wroclaw University of Technology in Wroclaw, Poland and Ph.D. in 2000 from Southern Illinois University in Carbondale, USA. He then joined Trek, Inc. as an R&D engineer to work on high voltage power electronics, including drivers for piezoelectric actuators, and precision electrical measurement applications. In 2007 he assumed a position of an Assistant and, since 2013, of an Associate Professor at the Engineering Technology Dept. at the University of North Carolina at Charlotte. His research interests encompass developing instrumentation for measurements of electric fields, high electric field applications, sensor networks, energy harvesting and power electronics.

IEEE Accomplishments & Activities

Maciej is a Senior Member of IEEE, and has been with the IEEE since 2000. He served as the Secretary of the Electrostatic Processes Committee (EPC) at the IEEE Industry Applications Society (IAS) in 2014 -2016, progressing to the EPC Vice-Chair (2016 - 2018) and Chair (2018 -2020)

He is also the current Vice-Chair of the Manufacturing Systems Development and Applications Dept. (MSDAD) at the IEEE IAS, he started in this role in 2020.

Maciej has been active within IEEE IAS as the conference Session Chair and Session Organizer, was the EPC Technical Chair for the IAS conferences in 2012 (joint conference with the electrostatic societies of America, France and Japan), 2019 and 2020.

He is an active Associate Editor for IEEE Transactions on Industry Applications\ since 2014 and the EPC Committee Administrator in the IAS ScholarOne manuscript management system since 2019.

He is a manuscript reviewer for the following IEEE journals:

IEEE Transactions on Industry Applications, IEEE Transactions on Industrial Electronics, IEEE Transactions on Dielectrics and Electrical Insulation, IEEE Transactions on Power Electronics, IEEE Transactions on Aerospace and Electronic Systems, IEEE Transactions on Instrumentation & Measurement.

Candidate Statement

Since starting my professional career in 2000, IEEE was an integral part of my professional development. Participation in this organization provided me with opportunities to grow intellectually and to build my knowledge and skills, network with other professionals and learn to appreciate the diversity of people and ideas.

I happily got involved with the IEEE IAS Electrostatic Processes Committee, which provided opportunities and friendships, and helped me with my career goals.

As I progressed through the EPC executive ranks, I realized that I would like to continue in an active role within the IEEE IAS. I would like to promote greater collaboration between the MSDAD committees. The MSDAD has three committees, and I would like to foster better interactions between them. Perhaps joint conference sessions? Departmental recognition for the work of committee members? Recruiting activities to attract underrepresented groups? These ideas would be more easily handled at the Department level.

Not that long ago MSDAD was asked about its involvement with "Industry 4.0" and "smart manufacturing". I believe that the MSDAD could and should explore the possibility of establishing a group dedicated to these concepts. The topics are interdisciplinary and as of now handled by different IEEE societies. The IAS could be a part of this effort.

I am looking forward to the challenges and opportunities that the MSDAD Chair position offers. I am pledging openness, dedication, inclusiveness of people and ideas, responsiveness and responsibility. Thank you for your vote and support.