

2024 ICEM Awards

2024 ICEM Awards Committee
G rard-Andr  Capolino, Chair
Aldo Boglietti
Antonios Kladas



2024 ICEM Arthur Ellison Outstanding Achievement Award

for

**outstanding sustained technical
contributions**

in the field of electrical machines

to



Nicola Bianchi

Professor, Università di Padova, Italy



Nicola Bianchi received his Laurea and Ph.D. degrees in electrical engineering from the University of Padova, Italy, in 1991 and 1995, respectively. He was an associate professor in electrical machines, converters, and drives at the same university. His research activity is in the field of design of electrical machines, particularly for drives applications. In the same field, he is responsible for various projects for local and foreign industries. He is the author or coauthor of several scientific papers and two international books on electrical machines and drives. He is also a recipient of four best paper awards. He is a Fellow of the IEEE.



2024 ICEM John Tegopoulos Distinguished Service Award

for

**outstanding services to the
electrical machines community**

to



Antonino Di Gerlando

Professor, Politecnico di Milano, Italy



Antonino Di Gerlando received his M.S. degree in electrical engineering from the Politecnico di Milano, Milan, Italy, in 1981. He is currently a full professor with the Department of Energy, Politecnico di Milano. His research interests include electrical machines, converters, and drives. His experience in universal motor (UM) modeling and design was developed in research activities supported by an Italian grant (PRIN 2001) and by collaborating with a multinational company producing UMs for vacuum cleaners. He is a member of the Italian Association of Electric and Electronic Engineers and the Italian Electric Committee of Standards. He is the current ICEM NPO Board Secretary.



2024 ICEM Michel Poloujadoff Special Award

for

**long term services to the ICEM
community**

to



Radu Iustin Bojoi

Professor, Politecnico di Torino, Italy



Radu Iustin Bojoi received his Ph.D. degree from the Politecnico di Torino, Italy, in 2003. He is currently Professor of electrical drives (EDs) and power electronics in Dipartimento Energia of the Politecnico di Torino. His research interests are related to digital control systems in the fields of power electronics and EDs. He is Fellow of the IEEE.

2024 Brian Chalmers Best Paper Award

The ICEM Brian Chalmers Best Paper Award is to be presented for up to three technical papers (in no order), for outstanding technical competence displayed in an oral paper presented at ICEM.



Indirect Efficiency Measurement of Outer-Rotor Inverter-Fed PM Synchronous Machines

Daniel Dietz
Germany

Analysis and Optimization of Polarity Detection Methods for Electric Vehicle Traction IPMSM

Andras Holczer, Francisco Freijedo, Radu Bojoi
Germany - Italy

Combination Method and Comparative Analysis of Parallel Hybrid Excitation Machines with Integrated Armature Winding

Xiangpei Gu, Nicola Bianchi, Zhuoran Zhang
China - Italy



2024 Jan Melkebeek Best Poster Presentation Award

The ICEM Best Poster Presentation Award is to be presented for up to three technical papers (in no order), for outstanding technical competence displayed in a poster presented at ICEM.



Order Reduction of a Frequency Magnetodynamic Problem for the Calculation of Copper Losses

Rémi Jardot, Guillaume Krebs, Anas Lahlou, Francis Roy, Claude Marchand
France

Model Order Reduction Based DQ Axis Parameter Extraction Method for IPMSMs

Yuan Cheng, Yao Wang, Haodong Sun, Bo Gao, Yi Wang, Shumei Cui
China

A Comparative Study of AC Winding Loss Calculation for Axial Flux Permanent Magnet Machines based on Finite Element Analysis

Daeyong Um, Rajesh Kumar, Tushar Batra, Lars Sjoberg, Glynn Atkinson
UK



2024 Jorma Luomi Best Student Forum Presentation Award

The ICEM Jorma Luomi Best Student Forum Poster Presentation Award is to be presented for up to three technical papers (in no order), for outstanding technical competences displayed in a poster presented at ICEM Student Forum.



Design and Analysis of Brushless Doubly Fed Machines (BDFMs)

Stefan Botha

Stellenbosch University, South Africa

*Design of Synchronous Reluctance Motor for Additive
Manufacturing Technology*

Daniele Michieletto

University of Padova, Italy

Sensorless Control of Electric Vehicle Traction IPMSM Drives

Andras Holczer

Huawei Nuremberg, Germany



Advancements in Dual Air-Gap Bearingless Motors

Sadjad Madanzadeh

Lappeenranta University of Technology, Finland

Identification and Control for High-performance Synchronous Reluctance Motor Drives

Vasil Varvolik

Johannes Kepler University Linz, Austria



2024 Certificates of recognition Top 10 reviewers

Gérard-André Capolino

Aldo Boglietti

Andrea Credo

Stefano Nuzzo

Sandro Rubino

Franck Betin

Vincenzo Madonna

Shafigh Nategh

Ahmed Selema

Humberto Henao



**Certificate of recognition
for ICEM2024 services and
contributions as
Publication Co-Chair**

Silvio Vaschetto

Associate Professor, Politecnico di Torino, Italy



To participate to the selection for the main ICEM Awards:

- **Don't ignore the different calls for nominations and references**
- **Don't miss the deadline (July 31 of any ICEM year)**