



## 5<sup>th</sup> Joint International Conference ACEMP-OPTIM 2023 Aegean Conference on Electrical Machines and Power Electronics (ACEMP) Optimization of Electrical & Electronic Equipment (OPTIM)

**İstanbul Türkiye 1-3 September, 2023**

Organized and sponsored by: Atılım University & Middle East Technical University, Ankara, Turkey  
Transilvania University of Brasov, Romania & University Politehnica of Timisoara, Romania

Technically co-sponsored by: IEEE Industrial Electronics Society, IEEE Industry Applications Society  
IEEE Power Electronics Society

**A biannual international conference submitting presented papers to IEEE Explore**

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#### **T1: Power Systems and Electromagnetics.**

**Track chairs:** Murat Göl (TR), Mihai Cernat (RO)

#### **T2: Electrical Machines, Industrial Drives and Control.**

**Track chairs:** Ion Boldea (RO), Dan Ionel (USA).

#### **T3: Power Electronics and Power Conversion.**

**Track chairs:** Dorin Petreus (Romania), Sedat Sunter (TR)

#### **T4: Renewable Electric Energy Conversion, Processing and Storage, Electric Vehicles.**

**Track chairs:** Remus Teodorescu (Denmark), Ioan Serban (RO), İlhami Çolak (TR)

#### **T5: Applied Electronics, Mechatronics, Control and Automation.**

**Track chairs:** Dan LASCU (RO), Silvia Cirstea (UK), Jin Zhang (UK), Umer Khan (TR)

#### **T6: Electrical Engineering Education and Emerging Technologies.**

**Track chairs:** Elena Helerea (RO), Zuhail Erden (TR), Ronak El-Haddad (UK)

#### **Special Sessions.** Industry news, others (subject to proposals received).

**Track chairs:** Bülent Şarlioğlu (USA), H. Bülent Ertan (TR), Cristina Luca (UK),

#### **Keynote speakers**

Serhiy Bozhko	University of Nottingham, UK	Optimized and smart onboard electric power systems: the technology towards net-zero aviation
Andrei Dinu	Collins Aerospace, UK	Why Smaller is not Always Better (The Effects of Cosmic Radiation on Electronic Components)
Masato Enokizono	Oita University, Japan	Dual axial gap type high-speed induction motor
Nathan Ida	The University of Akron USA	AC Induced Corrosion – low and high frequency effects
Annette Muetze	Graz University of Technology, Austria	From Backstage to Center Stage: Auxiliary Automotive Drives
Burak Özpıneci	Oakridge National Lab, USA	Power Density Improvements in Traction Inverters
Tomy Sebastian	Halla Mechatronics, Michigan USA	Role of Machines, Electronics and Control on the Advancement in Automotive Systems
Yongsug Suh	Jeonbuk National University, Jeonju, Korea,	Medium-voltage drive topology design & control – “Essential engineering part in more electrified heavy industry”

**Submission of papers:** A full paper proposal describing work not previously published or presented has to be electronically submitted in PDF file through the conference website no later than the deadline. Selection will be based upon full-length 6-8 A4 pages paper proposals in IEEE double-column format.

#### *For more information contact:*

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ATILIM Universitesi, Kızılcaşar Mah., 06830 İncek, Ankara, Turkey, Tel: +90 (312)586 8315, Fax: +90 (312)586 8091

#### **Important dates:**

*Special session proposals:* February 15, 2023

*Contributed full papers:* May 30, 2023

*Notification of acceptance:* June 30, 2023

*Final submissions due:* July 30, 2023

*Paper registration closes:* August 15, 2023

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