

IEEE Technical Lecture by **Prof. Ion Boldea, Life Fellow, IEEE**

Topic: Fractional KVA rating converter doubly-fed variable speed generator systems(DFGs) design and control: an overview

Prof. Ion Boldea studied and published extensively on “rotary and liners electric machines, drives and MAGLEVs design ,control and testing for energy saving and increased productivity in various industries: from renewable energy, through e-transport, robotics, industrial drives, home appliances and info-gadgets” since 1976(ISI H-index 41(4173 citations),Scopus H-index 49(8202 citations),Google Academic H-index 61(6246 citations); he wrote more than 20 Monographs and textbooks in USA and U.K on the wide spectrum subjects above (6000 citations in World.cat), held IEEE DLs since 2008, intensive Courses in USA, EU,S. Korea, Brasil, tutorials at IEEE Conferences, Technical Consulting annual contracts, hosted IEEE Trans. special issues and spent more than 5 years in many visits since 1973 as visiting scholar in USA



Main expertise : in design and advanced encoder and encoderless control of ac electric motor/generators for applications : in home appliances,intelligent buildings,robotics, industrial processes, variable speed generators -standard and new- in power systems penetrated by renewable energy and in electric transport(cars, trucks, buses trolley buses, underground METRO,regional and high speed trains); from critical analysis of existing solutions with improvement proposals to potentially- patententable solutions conception, design and control ,with lab prototyping and testing having as support :250+m*m labs and 11 people group(a Research Center for electric energy conversion, processing and storage with advanced digital control for various industries)at University Politehnica Timisoara ,Romania (www.upt.ro”)

He received “IEEE 2015 Nikola Tesla Award” and “2021 EPE-ECCE Outstanding Achievement Award”.

**Time: 10:00AM
(UTC+3.00)**

12:30 PM (IST)

**Date: 29th
September 2022**

Link-[https://teams.microsoft.com/l/meetup-](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZGQxOTE2MGIhNWJiMS00OTZkLWI0NWMtMDc1NjExZTI2ZDQ4%40thread.v2/0?context=%7b%22Tid%22%3a%2624d5c4b-45c5-4122-8cd0-44f0f84e945d%22%2c%22Oid%22%3a%22e24883d1-97e0-45ff-85f0-32eb743b1c94%22%7d)

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