



Faculty of Computer Science, Information Technology and Energy  
Institute of Industrial Electronics, Electrical Engineering and Power Engineering

### 13<sup>th</sup> International Doctoral School of Electrical Energy Conversion and Saving Technologies

Friday		May 24, 2024
8:00 – 9:00	Transport from Riga, Kipsala, Azenes 12/1, in front of the of the Faculty of Computer Science, Information Technology and Energy	
9:00 – 10:00	Registration / Accommodation / Coffee	
<b>Chair: Dr.habil.sc.ing., Leonids Ribickis</b>		
10:00 – 10:15	Welcome Speech: <b>Dr.habil.sc.ing., academician, Leonids Ribickis</b>	
10:15 – 11:00	Invited speaker: <b>Daniel Rodríguez, research associate</b> , "The Future of Electrical Drives: Less Rare Earth Materials with Switched Reluctance Machines." RWTH Aachen University	
11:00 – 11:15	Coffee break / Discussions	
11:15 – 12:00	Invited speaker: <b>Amandus Bach, research associate</b> , "Reliability of Modern Wind Turbines: Coping with Bearing Currents in Large Drives." RWTH Aachen University	
12:00 – 12:30	Invited speaker: <b>Dr.sc.ing., Andrii Chub</b> , Partial Power Processing - Ultimate Efficiency in Niche Applications, TalTech	
12:30 – 13:30	Lunch break	
13:30 – 14:15	Invited speaker: <b>Prof. Dmitry Vinnikov</b> , DC Electrification of Buildings and Neighborhoods, TalTech	
14:15 – 14:45	Pre-def: <b>Vlads Vadinovskis</b> , Development and research of 3D printing device for the production of orthopaedic rehabilitation facilities (sc.advisor prof.I.Galkins)	
14:45 – 15:15	Pre-def : <b>Vsevolod Burenin</b> , "Research, development, and evaluation of a control system for traction electric drives in railway applications" (sc.advisor prof.O.Krievs)	
15:15 - 16:15	PhD student presentation session I: <b>P. Maksimkins, A. Stupans, V. Beliaev, I. Ushakovs</b>	
16:45 – 18:30	Sport activities (sportswear is recommended)	
19:00 – 21:00	Welcome Reception in RTU Sports Campus "Ronisi", Dinner	
21:00	Social Activities	
Saturday		May 25, 2024
9:00 – 10:00	Breakfast ( <i>Please, return the key of your room back to the registration office by 12:00 AM</i> )	
<b>Chair: Dr.sc.ing., Nadezda Kunicina</b>		
10:00 – 10:05	Greeting Speech: <b>Director of the Institute, Dr.sc.ing., prof. O.Krievs</b>	
10:05 – 11:00	Invited speaker: <b>Prof. George Parafotiou</b> , Computational Intelligence for Resilient Power Electronics Systems, Technical University Eindhoven.	
11:00 – 12:00	Invited speaker: <b>Prof. Anton Rassolkin</b> , "Development of Digital Twin for propulsion drive of autonomous electric vehicle", TalTech	
12:00 – 12:15	Coffee break / Discussions	
12:15 – 13:00	Invited speaker: <b>Prof. Saeed Peyghami</b> , Model-based design for reliability in power electronics based power systems. Aalborg University	
13:00 – 14:00	Lunch break	
14:00 – 15:00	PhD student presentation session II: <b>S.Khan (TalTech), Ģ.Stana, U.Grunde, J.Timofejevs</b>	
14:45 – 15:00	Discussions / Awarding ceremony	
15:00	Departure from Ronishi	