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RIGA TECHNICAL
UNIVERSITY

2023 IEEE 64th International Scientific
Virtual Conference

of Riga Technical University
on Power and Electrical Engineering

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RTUvCON2023 Call for Papers

2023 IEEE 64th International Scientific Virtual Conference of Riga Technical University (RTU) on Power and Electrical Engineering invites scientists, engineers and manufacturers as well as to doctoral students from all over the world to publish and virtually discuss recent results in the area of power and electrical engineering.

Topics and Committees

General Chairman: Ilya Galkin (RTU, Latvia).

Honorary Board: Leonids Ribickis, Antans Sauhats (RTU, Latvia).

TT1 Electrical Engineering: (1.1) Theory, Analysis and Design of Electrical Equipment; (1.2) Safety and Reliability of Electrical Equipment; (1.3) Electrical Materials; (1.4) Electromagnetic Compatibility of Electrical Equipment; (1.5) Transformers, Relays and Other Electrical Units; (1.6) Environmental Assessment of Electrical Equipment.

Chairperson: Ilya Galkin (RTU, Latvia).

Scientific Committee: Oleksandr Bondarenko (Igor Sikorsky Kyiv Polytechnic Institute, Ukraine); Pavlo Safronov (Odessa National Polytechnic University, Ukraine); Pylyp Hovorov (O. M. Beketov National University of Urban Economy in Kharkiv, Ukraine); Mariusz Stepien (Silesian University of Technology, Poland); Peteris Apse-Apsitis, Rodions Saltanovs, Ansis Avotins, Kristaps Vitols, Olegs Tetervenkoks (RTU, Latvia) et al.

TT2 Electrical Machines, Drives and Vehicles: (2.1) Theory and Analysis of EM&ED, (2.2) Design and Maintenance of EM&ED, (2.4) Mechatronics and Robotic Systems; (2.4) Reliability and Lifetime Analysis of Electrical Machines and Apparatus; (2.5) Electric Vehicles and Transportation Electrification.

Chairperson: Payam Shams Ghahfarokhi (TalTech, Estonia).

Scientific Committee: Andrei Podgornov, Maris Gailis (RTU, Latvia); Toomas Vaimann, Ants Kallaste, Hans Tiismus, Anton Rassõlkin, Bilal Asad, Hadi Ashraf Raja (TalTech, Estonia); Mariusz Stepien (Silesian University of Technology, Poland); Vanja Ambrozic, Mitja Nemec (University of Ljubljana, Slovenia); Levon Gevorgov (Catalonia Institute for Energy Research, Spain); Antti Lehtikoinen, Anouar Belachene (Aalto University, Finland) et al.

TT3 Power Electronics: (3.1) New Topologies and Topological Improvements of Power Electronic Converters; (3.2) Applications of Power Electronic Converters; (3.3) Design Issues of Power Electronic Converters; (3.4) Implementation, Protection and Thermal Design of Power Semiconductor Switches.

Chairperson: Dmitri Vinnikov (TalTech, Estonia).

Scientific Committee: Oleksandr Bondarenko (Igor Sikorsky Kyiv Polytechnic Institute, Ukraine); Serhii Stepenko (Chernihiv Polytechnic National University, Ukraine); Tanel Jalakas, Indrek Roaso, Andrii Chub, Oleksandr Husev, Andrei Blinov, Edivan Carvalho (TalTech, Estonia); Janis Zakis, Kristaps Vitols, Olegs Tetervenkoks, Ingars Steiks (RTU, Latvia); Satish Naik, Little Pradhanet, Aditya Pogulaguntla, Venkata Raghavendra I (Indian Institute of Technology Dharwad, India); Enrique Romero-Cadaval, Carlos Roncero-Clemente (University of Extremadura, Spain); Joao Martins (Universidade NOVA de Lisboa, Portugal); Luigi Piegari (Politecnico di Milano, Italy); Omar Abdel-Rahim (Texas A&M University, Qatar) et al.

TT4 Power and Energy Systems: (4.1) Power System Control, Automation, Stability and Protection; (4.2) Power Quality and Reliability; (4.3) Power Plants, Renewable and Distributed Energy Systems; (4.4) Power System Planning, Management and Economic Evaluation; (4.5) Power System Risk Assessment and Management; (4.6) Electricity Market.

Chairperson: Tatjana Lomane (RTU, Latvia).

Scientific Committee: Sergej Denisiuk, Julia Yamnenko (Igor Sikorsky Kyiv Polytechnic Institute, Ukraine); Lauri Kütt, Argo Rosin, Jelena Shuvalova (TalTech, Estonia); Karlis Baltputnis, Zane Broka, Aleksandrs Dolgicars, Sergey Kovalenko, Jevgenijs Kozadajevs, Roman Petrichenko, Lubov Petrichenko, Sergejs Rubcovs, Josifs Survilo, Andrejs Utans, Ivars Zalitis, Inga Zicmane, Olegs Borsčevskis (RTU, Latvia); Renata Varfolomejeva (AS Latvenergo, Latvia); Anna Mutule (Institute of Physical Energetics, Latvia); Aleksandrs Gavrilovs (JSC "Sadale tikls", Latvia); Elena Korkina (Energy Systems Institute SB RAS, Russia); Piotr Leżynski (University of Zielona Gora, Poland); Jacek Rabkowski (Warsaw University of Technology, Poland); Robertas Kersys (Kaunas University of Technology, Lithuania); Svetlana Beryozkina (American University of the Middle East, Kuwait); Angelo L'Abbate (RSE SpA, Italy); Muhammad M.A.S. Mahmoud (Independent Researcher, Egypt); Michael Negnevitsky (University of Tasmania, Australia) et al.

TT5 Smart Grids and Microgrids: (5.1) Energy Management in Buildings; (5.2) Smart Grid for Energy Economy and Financial Management; (5.3) Intelligent Energy Measurement and Monitoring; (5.4) Smart Grid and Plug-In Vehicles; (5.5) Power Converters and Control for Smart Grids.

Chairperson: Artjoms Obushevs (Zurich University of Applied Sciences, Switzerland).

Scientific Committee: Jako Kilter (Tallinn University of Technology, Estonia); Angelo L'Abbate (RSE SpA, Italy); Antons Kutjuns, Aleksandrs Lvovs, Laila Zemite (RTU, Latvia); Viktorija Bobinaite, Arturas Klementavicius (Lithuanian Energy Institute, Lithuania); Miguel Gonzalez (Zurich University of Applied Sciences, Switzerland) et al.

TT6 Information Technologies in Electrical and Power Engineering: (6.1) Information Technologies in Electrical Engineering; (6.2) Information Technologies in Power Engineering; (6.3) Intellectual Transport Systems; (6.4) Electronics and ICT for Biology and Medicine; (6.5) Electronics and ICT for Sensor Networks; (6.6) Tools of Human-to-Machine and Machine-to-Machine Interaction.

Chairperson: Mikhail Gorobetz (RTU, Latvia).

Scientific Committee: Ojars Kruminis (D8 Corporation, Latvia); Sergii Denysiuk (Igor Sikorsky Kyiv Polytechnic Institute, Ukraine); Robertas Kersys (Kaunas University of Technology, Lithuania); Aleksandrs Gasparjans (Latvian Maritime Academy, Latvia); Ivars Alps, Jelena Caiko, Antons Patlins, Andrejs Potapovs (RTU, Latvia) et al.

TT7 Electrical and Power Engineering Education: (7.1) Methodology of Electrical and Power Engineering Education; (7.2) Tools of Electrical and Power Engineering Education; (7.3) Distance Education in Electrical and Power Engineering.

Chairperson: Nadezhda Kunicina (RTU, Latvia).

Scientific Committee: Dejan Blagojevic (College of applied technical sciences Nis, Serbia); Kinga Korniejenko (Cracow University of Technology, Poland); Shchasiana Arhun (Kharkiv National Automobile and Highway University, Ukraine); Yelena Chaiko, Igors Utesevs, Anastasija Ziravecka (RTU, Latvia); Hemlal Bhattarai (Royal University of Bhutan, Bhutan); Zoja Raul, Valery Vodovozov (Tallinn University of Technology, Estonia); Christos Manasis (Technological Educational Institute of Sterea Ellada, Greece); Ines Buda (University Education for Business and Technology, Kosovo); Ratko Ivković (University of Pristina, Serbia); Ivana Bilić (University of Split, Croatia) et al.

About

Important Info

All accepted and presented papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements and later to SCOPUS/TRWoS. Best papers/videos will be awarded.

Participation Fee (tentative)

Paper 1 to 6 pages – 500EUR, 30EUR per each page >6.

Contacts

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web: <http://www.conference.rtu.lv/rtuvcon/>

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Conference Style

The authors of the accepted papers will be invited to publish their video presentations on the dedicated internet platform. After that they, TT chairs and interested participants will be given with an opportunity to ask questions, give answers and publish opinions in written form on the associated internet forums within several days. Continuous on-line presence, therefore, is not required.



Important Dates:

2023-07-14 Deadline for drafts

2023-08-14 Notification of decision

2023-09-01 Deadline for final papers

2023-09-01 Deadline for fee transfer

2023-09-08 Deadline for videos

2023-09-11...2023-09-22 Exposing

videos, publishing questions and

answers on internet forums

2023-10-09...11 Award ceremony

For Authors

Main Rules:

Working language – English for entire event and communications,
Presentation kind – video,
Presence kind – virtual (posting videos, asking and answering questions in written form).

Pages (drafts) – 4,
Pages (final papers) – 4...10,
Paper format – IEEE conference format (mostly 2 columns, Time New Roman, 10pt etc.).

Links:

Submissions –

<https://www.easychair.org/conferences/?conf=rtuvcon2023>

Template –

http://www.conference.rtu.lv/rtuvcon/docs/2014_04_msw_a4_format.doc

IEEE Taxonomy (keywords) –

<https://www.ieee.org/content/dam/ieee-org/ieee/web/org/pubs/ieee-taxonomy.pdf>