



Registration of Participants – April 01, 2026

(10:00 - 11:00 AM Moscow | 09:00 - 10:00 AM EGY | 11:00 - 12:00 AM UAE)

Opening Speeches

Note that for Moscow venue, the registration will be inside rooms of participation

The Opening Program will be started online in connection with all venues

(April 01, 2026) (11:00 - 12:30 AM Moscow | 10:00 - 11:30 AM EGY | 12:00 - 13:30 PM UAE)

Moderator:

- **Prof. Rania Elsharkawy**, Dean of Education (Cairo Campuses), AASTMT, Egypt

Speeches:

- His Excellency, **Prof. Ismail Abd El-Ghaffar**, AASTMT President, Egypt.
- His Excellency, **Prof. Alexander Tarasov**, MPEI Vice Rector for International Cooperation, NRU, Russia.
- His Excellency, **Mr. Mikhail Belov**, Science and Technology Counsellor, Embassy of the Russian Federation to Egypt.
- **Prof. Yasser Galal**, Dean of College of Engineering & Technology (Heliopolis) AASTMT, Egypt.
- **Prof. Ghaleb Hussein**, Associate Vice Chancellor Research, AUS, Emirates.
- **Prof. Ahmed Madyan**, Chairman of the IEEE Egypt Section.
- **Prof. Rinat Nasyrov & Prof. Mohamed Tolba**, General Chairs of the IEEE REEPE Conference.



Keynote Speeches

1- Title: Initiatives towards NET-ZERO

Prof. Ahmed M. Darwish

Former State Minister for Administration Development

Professor of Computer Engineering

Consultant to a number of international organizations (UNDP, UNIDO, WHO, UNICEF, ILO, UNESCO, FAO, ESCWA, European Union and World Bank), government organizations and companies in Egypt, Middle East, Africa, Europe and the United States

Eng. Mohamed Medhat Abdlel-Rahman

Deputy Head of the Energy Committee in the Net-Zero Egypt Chapter

Managing Director of the Sustainable Green Energy and Energy Systems

Business Unit in KORRA ENERGI

Certified Energy Manager (CEM).

2- Title: Building the Resilient Power Grid of the Future with HVDC

Prof. Khaled Ahmed

Professor of Power Electronics

Head of Power Electronics, Drives, and Energy Conversion (PEDEC) Research Group

University of Strathclyde, Glasgow, UK

3- Title: Start a new era of all-scenario Grid Forming

Dr. Carlos Alvarez

Director of Grid Connection

Huawei Middle East, Emirates

Conference Program (April 01, 2026)

Starting the participants' presentations (12:30 PM-14:30 PM)

{Each Participant has 7 minutes for introducing presentation + 3 minutes Q&A by attendees}

Section A: Power, Energy and Industry Applications; Room (KU-01)

1. Development and analysis of computational models for cyclones with inclined and horizontal inlet pipe configurations	<i>Sergey V. Gorbunov, Malik G. Ziganshin</i>
2. Experimental and computational study of a methane-fueled solid oxide fuel cell generator with thermodynamic efficiency analysis	<i>Farit R. Gainutdinov, Andrey A. Chichirov, Dilyara F. Gaynutdinova, Egor S. Mayorov</i>
3. Computer Diagnostic Model of a High-Voltage Suspension Polymer Insulator	<i>Damir K. Zaripov, Dinar F. Zakirov, Bogdan P. Tarasov</i>
4. Development of an Electrically Conductive Composite for 3D-printing	<i>Antonina A. Filimonova, Alena Yu. Vlasova, Egor S. Mayorov, Ruzina F. Kamalieva, Andrey A. Filimonov, Artur M. Khairutdinov</i>
5. Analysis of the condition of high-voltage insulators using an ultrasonic testing device with synchronization via an electromagnetic channel	<i>Ivanov D.A., Vagapov A.I., Sadykov M.F., Lyubishev A.A., Yanikaeva K.Yu., Baginsky D.V.</i>
6. An intelligent autonomous LED lighting system for facilities without a centralized power supply	<i>Kryukov Dmitry Sergeevich, Denisova Alina Renatovna</i>
7. The impact of heating modes unsteady in buildings on the correctness of creating their digital models	<i>Rustem R. Daminov, Alsu R. Husnutdinova, Malik G. Ziganshin</i>
8. The Potential of Additive Technologies for Manufacturing Microturbines	<i>Alina R. Galiulina, Alexey I. Denisov, Natalya V. Denisova, Igor V. Ivshin</i>
9. SLControl Software Environment for Analyzing the Characteristics of a Hybrid PV-SOFC System	<i>Farit R. Gainutdinov, Dilyara F. Gaynutdinova, Arslan I. Galimov</i>

Section B: Power, Energy and Industry Applications. Room (KU-02)

1.	Comparative study of materials for improving the performance of solid oxide fuel cells	<i>Takhaviev Timur Maratovich, Badretdinova Guzel Ramilevna, Sabitov Tigran Ildusovich</i>
2.	Modeling and optimization of microgeneration based on SOFC with energy storage for energy efficient low-rise housing	<i>Timur M. Takhaviev, Andrey V. Dmitriev, Oksana S. Dmitrieva</i>
3.	The use of renewable energy sources to improve the energy efficiency of power supply systems in the northern regions of Russia	<i>Yuliya Zatsarinnaya, Elena Mironova, Marat Shakirov, Efim Shirobokov, Andrey Gerke</i>
4.	Stator slot number optimization in permanent magnet synchronous motors with fixed geometry	<i>Eduard E. Ibatullin, Timur I. Petrov, Vasily R. Basenko</i>
5.	Multi-agent control of autonomous power systems with distributed energy resources	<i>Anastasia R. Petrova, Alfred R. Safin, Timur I. Petrov, Vasily R. Basenko</i>
6.	Diagnostics of rotating electrical equipment in electrical systems using laser technologies and simulation models	<i>Samir F. Abdurashitov, Vasily R. Basenko, Timur I. Petrov, Valery A. Manakhov</i>
7.	Impact of Fast Electric Vehicle Charging Stations on Power System Peak Loads	<i>Sevastian E. Mitrofanov, Azat N. Khusnutdinov</i>
8.	Analysis of interfacial stresses in the steel-PU system under thermal loads	<i>Ilgiz M. Gazizullin, Guzel R. Badretdinova, Vitaly V. Kharkov, Guzel H. Gumerova</i>
9.	Risk assessment of critical defects in boiler house building walls using interpretable statistical analysis	<i>Vladislav Y. Yudin, Maria V. Terekhova, Nikolay D. Yakimov</i>

**Section C: Power, Energy and Industry Applications. Components,
Circuits, Devices and Systems. Medical Devices and Diagnostic
Engineering. Room (KU-03)**

1.	Thermoeconomic optimization of graphite filler size in liquid-metal TES	<i>Nguyen Vu Linh, Azalia A. Abdulina, Ilnar I. Sharipov, Arslan M. Muginov, Andrey R. Gerke</i>
2.	Comparative CFD Analysis of Indoor Thermal Conditions in a Residential Room with Radiator and Underfloor Heating	<i>Nguyen Vu Linh, Irina G. Akhmetova, Vadim E. Zinurov, Arslan M. Muginov, Lenura V. Takhirovna</i>
3.	Assessment of the thermal performance of a graphite thermal energy storage unit for different graphite volumes	<i>Nguyen Vu Linh, Ansel R. Shaimardanov, Arslan M. Muginov, Aidar F. Ziangirov, Ilnur N. Madishev</i>
4.	Localization of faults on cable-overhead power lines	<i>Yuri V. Piskovatskiy, Anna A. Granskaya, Renat G. Minullin, Vasil A. Kasimov, Aidar A. Mannapov, Mansur S. Isoev</i>
5.	Theoretical study of the effects of off-design conditions induced by deposits, coolant leaks, and cross-leaks on heat exchanger performance	<i>Anna A. Litvinenko, Yuri V. Vankov, Azat R. Timershin</i>
6.	Research on the electronics properties of the H-Ge (8-4) system	<i>Khizbullin Robert Nakibovich, Nguyen Hoang Tung, Tran Thi Thu Hanh</i>
7.	Analysis of the influence of coordinate-parametric disturbances on the dynamic characteristics of asynchronous electric motors with a fan load	<i>Nikolay A. Malev, Oleg V. Kozelkov, Elisey V. Postnikov</i>
8.	Effect of Pre-compaction on the Microstructure of Carbon-filled Thermoplastic Polyurethane during Selective Laser Sintering	<i>Ilgiz M. Gazizullin, Insaf I. Gilmullin, Guzel R. Badretdinova</i>