

European Doctoral Day- first edition

May 13 - 14, 2026

**“Gheorghe Asachi” Technical University of Iasi
National University of Science and Technology**

**POLITEHNICA Bucharest
Politehnica University Timisoara**

**EUROPEAN
DOCTORAL
DAY**

Energy Nexus - from Research to Impact

**ENERGY
NEXUS**

RESEARCH INTERDISCIPLINARITY IMPACT
13 – 14 May, 2026

**IAȘI – BUCHAREST – TIMIȘOARA
13 - 14 MAY 2026
ROMÂNIA**

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Wednesday, 13 May, 2026 -European Doctoral Day- first edition (Online)

Link: <https://meet.google.com/jka-wvwa-vgg>

| Time | Event |
|-------------|--|
| 10.00-11.00 | <p>JOINT OFFICIAL OPENING CEREMONY Iasi – Bucharest – Timisoara</p> <p>Rector of the “Gheorghe Asachi” Technical University of Iasi, Romania Honorary President of CSD2026 Rector of the National University of Science and Technology POLITEHNICA Bucharest Rector of the “Politehnica” University Timisoara Director of the Council for University Doctoral Studies “Gheorghe Asachi” Technical University of Iasi, Romania - Co-President of CSD2026</p> <p>Director of the Council for University Doctoral Studies National University of Science and Technology POLITEHNICA Bucharest Director of the Council for University Doctoral Studies “Politehnica” University Timisoara Director of the Doctoral School “Gheorghe Asachi” Technical University of Iasi, Romania - President of CSD2026 Director of the Doctoral School in Energy Engineering - National University of Science and Technology POLITEHNICA Bucharest Director of the Doctoral School “Politehnica” University Timisoara</p> <p>Roundtable “The role of IEEE in defining, validating and disseminating research directions within doctoral studies” - IEEE, IEEE Power and Energy Society / IEEE Education Society (Online)</p> <p>Special Guests:</p> |
| 11.00-12.00 | <p>Constantine (Costas) Vournas, Life Fellow of the IEEE (Power & Energy Society) Professor Emeritus in the School of Electrical and Computer Engineering of NTUA</p> <p>Gianfranco Chicco, Fellow of the IEEE (Power & Energy Society) Full Professor of Electrical Energy Systems at Politecnico di Torino</p> <p>Cristian-Gyözö Haba, Senior Member of IEEE (Education Society) Full Professor in the Faculty of Electrical Engineering, Energetics, and Applied Informatics at the “Gheorghe Asachi” Technical University of Iasi</p> |
| 12.00-12.15 | Coffee Break |
| 12.15-14.00 | Roundtable “Vision of future doctoral supervisors in doctoral schools from UPB, TUIASI and UPT” |
| 14.00-14.30 | Coffee Break |
| 14.30-16.00 | Roundtable: “Academia and Industry - A dialogue focused on research, interdisciplinary and the impact of research activity on the energy field in Romania” |

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Thursday, 14 May, 2026 -European Doctoral Day- first edition (Online Parallel Sessions: TUIASI – UPB – UPT)

10.00 – 11.30 TUIASI: Energy engineering

Link: <https://meet.google.com/dob-tqzr-kuj>

Chairperson: Prof. dr. Bogdan-Constantin Neagu

| Time | Oral presentation | Authors |
|-------------|---|---|
| 10.00-10.15 | IDENTIFYING ENERGY POVERTY ZONES BASED ON EXPLAINABLE CLUSTERING | Mihai-Alexandru Baci , Gheorghe Grigoraş "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering) |
| 10.15-10.30 | A COMPREHENSIVE ANALYSIS OF THE PROSUMERS' IMPACT ON THE OPERATION AND PLANNING OF THE ELECTRIC DISTRIBUTION NETWORKS | Nicolae Asavei , Gheorghe Grigoraş "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering) |
| 10.30-10.45 | AN IN-DEPTH BIBLIOMETRIC ANALYSIS ON THE INTEGRATION OF INTERNET OF THINGS TECHNOLOGIES IN ENERGY CONSUMPTION MANAGEMENT SYSTEMS | Răzvan-Petru Livadariu , Gheorghe Grigoraş "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering) |
| 10.45-11.00 | AN ALGORITHM FOR DIGITAL STANDARDIZATION IN RENEWABLE ENERGY | Balacci Ruslan Technical University of Moldova, Faculty of Energetics and Electrical Engineering, Chisinau, Republic of Moldova (Energy engineering) |
| 11.00-11.15 | CONSERVATION VOLTAGE REDUCTION AND OPTIMAL PLACEMENT OF REMOTE-CONTROLLED SWITCHES FOR VOLTAGE CONTROL IN LOW-VOLTAGE DISTRIBUTION NETWORKS | Costică-Adi Năzăreanu , Claudia-Vasilica Bondar "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering) |
| 11.15-11.30 | DEVELOPMENT STRATEGIES FOR GREEN HYDROGEN-BASED ENERGY COMMUNITIES | Traian Candin Mihălţan , Adi Aurelian Gugiuman "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Energy engineering) |

10.00 – 11.30 UPB: Energy engineering

Link: <https://teams.microsoft.com/meet/376938070768406?p=obPKhyW8Xi40wK4Jhi>

Chairperson: Prof. dr. Radu Porumb

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10.00 – 11.30 UPT: Energy engineering

Link: <https://teams.microsoft.com/meet/33282628198119?p=uTbugqKoPNWvySBXDZ>

Chairperson: **Assoc. Prof. Attila Simó**

11.30-11.45 Coffee Break

11.45-13.30 TUIASI: Electrical engineering

Link: <https://meet.google.com/zky-hemq-ofz>

Chairperson: **Prof. dr. Sebastian Aradoae**

| Time | Oral presentation | Authors |
|-------------|---|--|
| 11.45-12.00 | COMPARATIVE ANALYSIS OF THE MAIN PID ASSESSMENT METHODS FOR PV MODULES MANUFACTURED USING POLYCRYSTALLINE SILICON TECHNOLOGY | Robert Jahrstorfer ¹ , Andrei Salceanu ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering) |
| 12.00-12.15 | EQUIPMENT AND TECHNIQUES FOR PERFORMING IMAGING EXAMINATIONS IN DENTISTRY: FROM CONVENTIONAL RADIOGRAPHY TO MULTIMODAL FUSION GUIDED BY ARTIFICIAL INTELLIGENCE | Lucian Balan "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering) |
| 12.15-12.30 | TESTS AND SOLUTIONS FOR IMPROVING EMC IMMUNITY OF ULTRA-LOW-FIELD MAGNETIC RESONANCE IMAGING (MRI) SYSTEMS | Matei-Constantin Moruz, Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering) |
| 12.30-12.45 | UGR AS A STANDARDIZED METRIC: ROLE, LIMITATIONS AND APPLICABILITY IN INDOOR LIGHTING ENVIRONMENTS | Andrei-Aurelian Ianos "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering) |
| 12.45-13.00 | ATTENTION ASSESSMENT IN BCI SYSTEMS VIA DYNAMIC THRESHOLDS AND PHYSIOLOGICAL ARTEFACT RESILIENCE | Daniel Mihai Pantazi ¹ , Marian-Silviu Poboroniuc ¹ , Ana Maria Roşca ² ¹ "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics ² Free International University of Moldova, Faculty of Social and Educational Sciences, Chişinău, Republica Moldova (Electrical engineering) |
| 13.00-13.15 | 3D ROUTING AND ITS IMPACT ON INTERCONNECT LENGTH | Ionica-Marcela Pletea , Cristian Zet "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering) |
| 13.15-13.30 | DIELECTROPHORESIS – THEORY, PRINCIPLE AND APPLICATIONS | Georgiana Prodan-Chiriac "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering) |



11.45-13.15 UPB: Energy engineering

Link: <https://teams.microsoft.com/meet/376938070768406?p=obPKhyW8Xi40wK4Jhi>

Chairperson: **Prof. dr. Radu Porumb**

11.45-13.15 UPT: Energy engineering

Link: <https://teams.microsoft.com/meet/33282628198119?p=uTbugqKoPNWvySBXDZ>

Chairperson: **Assoc. Prof. Attila Simó**

13.30-13.45 Coffee Break

13.45-15.15 TUIASI: Electrical engineering

Link: <https://meet.google.com/ufe-oexr-xew>

Chairperson: **Assoc. Prof. dr. Alexandru Trandabat**

| Time | Oral presentation | Authors |
|-------------|---|---|
| 13.45-14.00 | MAINTENANCE PLAN FOR A MEDIUM-SIZED GROUND-MOUNTED PHOTOVOLTAIC PLANT | Robert Jahrstorfer , Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics (Electrical engineering) |
| 14.00-14.15 | TESTS AND SOLUTIONS FOR IMPROVING EMC IMMUNITY OF ULTRA-LOW-FIELD MAGNETIC RESONANCE IMAGING (MRI) SYSTEMS | Matei-Constantin Moruz , Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering) |
| 14.15-14.30 | APPROACH ON TUNING A MOBILE CB ANTENNA USING THE N9921 FIELDFOX ANALYZER | Andrei Salceanu "Gheorghe Asachi" Technical University of Iasi, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering) |
| 14.30-14.45 | THERMAL STRESS MONITORING OF ELECTRICAL EQUIPMENT FROM MEDIUM VOLTAGE CELLS | Constantin-Bogdan PĂDURARU , Maricel ADAM "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering) |
| 14.45-15.00 | MODERN TRENDS IN LIGHTING ENGINEERING | Silviu Gheorghe ¹ , Catalin Galatanu ² ¹ "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania ² Faculty of Civil Engineering and Building Services, Iasi, Romania (Electrical engineering) |
| 15.00-15.15 | AI-ASSISTED ENHANCEMENT OF INTRACARDIAC SIGNALS DURING RADIOFREQUENCY CATHETER ABLATION – A PRELIMINARY STUDY | Carp Alina-Mihaela "Gheorghe Asachi" Technical University of Iasi, Romania, Faculty of Electrical Engineering, Energetics and Applied Informatics, Iasi, Romania (Electrical engineering) |

13.45 – 15.15 UPB: Energy engineering

Link: <https://teams.microsoft.com/meet/376938070768406?p=obPKhyW8Xi40wK4Jhi>

Chairperson: Prof. dr. Radu Porumb

13.45 – 15.15 UPT: NETWORKING

Link: <https://teams.microsoft.com/meet/33282628198119?p=uTbuggKoPNWvySBXDZ>

15.15-16.00 NETWORKING: TUIASI – UPB – UPT

Link: <https://teams.microsoft.com/meet/363910146139601?p=200jpEkXIJDQp2XHjW>

Closing ceremony (Online) 16.00-16.15

Link: <https://teams.microsoft.com/meet/363910146139601?p=200jpEkXIJDQp2XHjW>

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