

12th International Conference on Energy and Environment 2025

Towards Future Energy



At a glance PROGRAM

CIEM 2025 AT A GLANCE FULL PROGRAM

Thursday 23 rd October 2025						
09:00 – 10:00	Registration: AULA MAGNA, POLITEHNICA Bucharest					
10:00 – 12:30	Opening Ceremony Faculty of Energy Engineering Anniversary - 75 Years of Empowering Excellence in Education, Research and Innovation					
12:30 – 13:30	Lunch (AULA Magna Hall)					
14:00 – 15:30		Workshop Education in energy engineering, university-industry partnership Room 3.1		Section 1 Electrical Power Systems & Smart Grids (1) Papers 3,11,29,50,55,60 Room 4.1	Section 2 Energy Management & Security, Sustainability and Resilience in Energy (1) Papers 6,27,34,47,56 Room 4.2	Section 4 Renewable Energies (1) Papers 19,22,35,39,41 Room 3.2
15:30 – 15:45	Coffee Break (POLITEHNICA Central Library, 3 rd floor)					
15:45 - 17:30		Section 5 Advanced Power Generation Systems & Technologies Papers 24,28,42,51,61 Room 3.1		Section 6 Smart Cities & Digital Transformation in Energy Papers 21,40,37,45 Room 3.2		
19:00 – 22:00	Gala Dinner					

CIEM 2025

AT-A-GLANCE FULL PROGRAM

Friday 24 th October 2023								
09:30 – 11:00		Technical Session <i>in honor and in memoriam</i> <i>Professor Cezar Ionescu</i> <i>Data mining and wind / photovoltaic power forecast</i> Papers 8,23,49 Council Room 2nd floor		Section 4 Renewable Energies (2) Papers 16,17,33,43,52,57 Room 3.2		Section 3 <i>Applied energy</i> Papers 18,30,31,32,44,46,53 Room 4.2		Technical Sesssion <i>Hybrid energy system with digital twin augmentation - HESTIA</i> Room 4.1
	11:00 – 11:30	Coffee Break (POLITEHNICA Central Library, 4th floor)						
	11:30 – 13:00		Section 2 <i>Energy Management & Security, Sustainability and Resilience in Energy</i> (2) Papers 5,7,20,25,36 Room 3.2		Section 1 <i>Electrical Power Systems & Smart Grids</i> (2) Papers 9,10,12,15,48,58,59 Room 3.1		Technical Session <i>Energy vectors integration for system and customer benefits</i> Room 4.2	
13:00 – 13:30		Closing Ceremony (POLITEHNICA Central Library, Room 4.1)						
13:30 – 14:30	Lunch (POLITEHNICA Central Library, 4th floor)							

*11:30 – 12:00, Opening of the **RenewAcad Energetica Practical Training Center**, Faculty of Energy Engineering, EM Hall

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Thursday 23 October 2025

9:00 – 10:00 Registration - **AULA MAGNA, POLITEHNICA Bucharest**

10:00 – 12:30 Opening Ceremony

Faculty of Energy Engineering Anniversary - 75 Years of Empowering Excellence in Education, Research and Innovation

12:30 – 13:30 Lunch - **AULA MAGNA Hall, POLITEHNICA Bucharest**

14:00 – 15:30

- ◆ **Section 1:** Electrical Power Systems & Smart Grids (1) - **POLITEHNICA Central Library, Room 4.1**
- ◆ **Section 2:** Energy Management & Security, Sustainability and Resilience in Energy (1) - **POLITEHNICA Central Library, Room 4.2**
- ◆ **Section 4:** Renewable Energies (1) - **POLITEHNICA Central Library, Room 4.1**
- ◆ **Workshop:** Education in energy engineering, university-industry partnership - **POLITEHNICA Central Library, Room 3.1**

15:30 – 15:45 Coffee break - **POLITEHNICA Central Library, 3rd floor**

15:45 – 17:30

- ◆ **Section 5:** Advanced Power Generation Systems & Technologies - **POLITEHNICA Central Library, Room 3.1**
- ◆ **Section 6:** Smart Cities & Digital Transformation in Energy - **POLITEHNICA Central Library, Room 3.2**

19:00 – 22:00 Gala Dinner (*Aria TNB Restaurant, Bd. Nicolae Bălcescu nr 2, sector 1*)

Friday 24 October 2025

09:30 – 11:00

- ◆ **Section 4:** Renewable Energies (2) - **POLITEHNICA Central Library, Room 3.2**
- ◆ **Section 3:** Applied Energy - **POLITEHNICA Central Library, Room 4.2**
- ◆ **Technical Session** in honor and in memoriam of Professor Cezar Ionescu: Data mining and wind / photovoltaic power forecast - **POLITEHNICA Central Library, Council Room 2.2**
- ◆ **Technical Session:** *Hybrid energy system with digital twin augmentation-HESTIA* - **POLITEHNICA Central Library, Room 4.1**

11:00 – 11:30 Coffee break - **POLITEHNICA Central Library , 4th floor**

11:30 – 13:00

- ◆ **Section 1:** Electrical Power Systems & Smart Grids (1) - **POLITEHNICA Central Library, Room 3.1**
- ◆ **Section 2:** Energy Management & Security, Sustainability and Resilience in Energy (1) - **POLITEHNICA Central Library, Room 3.2**
- ◆ **Technical Session:** *Energy vectors integration for system and customer benefits* - **POLITEHNICA Central Library, Room 4.2**

11:30 – 12:00

- ◆ Opening of the **RenewAcad Energetica Practical Training Center**, Faculty of Energy Engineering, EM Hall

12:00 – 12:00

- ◆ **Technical Session:** RenewAcad Energetica Practical Training Center - education and university partnerships for the training of the new generation in renewable energy - **POLITEHNICA Central Library, Room 4.1**

13:00 – 13:30 Closing Ceremony – **POLITEHNICA Central Library, Room 3.1**

13:30 – 14:30 Lunch – **POLITEHNICA Central Library , 4th floor**