

Programme of the 28th International Conference-School
“Advanced Materials and Technologies 2026”
<https://advancedmaterials.ktu.edu/>

Date: August 24-28, 2026

Venue: Hotel “Gabija” (<http://www.gabija.lt/en/>)
Vytauto St. 40,
Palanga, Lithuania

August 24, Monday

14:00 – 20:00 Arrival and Registration

August 25, Tuesday

Chairperson Sigitas Tamulevičius

8:30 – 9:00 Registration

9:00 – 9:15 Opening of the Conference-School

9:15 – 10:00 Arvydas Ruseckas (University of St Andrews, United Kingdom)
Upcycling Triplet Excitons in OLEDs and Lasers

10:00 – 10:45 Dovydas Banevičius (Vilnius University, Lithuania)
Turning Light into Technology: Organic Materials in OLEDs and Upconversion

10:45 – 11:15 Karolis Leitonas (Kaunas University of Technology, Lithuania)
Influence of Carbazole-Based Host Engineering on TADF Emission Properties

11:15 – 11:35 Coffee Break

Chairperson Nicolas Gauquelin

11:35 – 12:20 Chun Yuen Ho (University of Southern Denmark, Denmark)
Modification of Electronic Band Structure and Defects of Metal Oxides for Photovoltaic Applications

12:20 – 12:50 Juras Ulbikas (Applied Research Institute for Prospective Technologies, Lithuania)
Integrated PV – Future for Distributed Energy Generation

12:50 – 15:00 Break

15:00 – 17:00 Social Event: 3x3 Basketball Tournament (Palanga Sports Center)

17:00 – 18:00 Break

18:00 – 21:00 Welcome Party (Hotel Gabija Restaurant, Vytauto St. 40, Palanga)

August 26, Wednesday

Chairperson Andreas Fery

8:30 – 9:00 Registration

9:00 – 9:45 Gediminas Juzeliūnas (Vilnius University, Lithuania)
Quantum Technologies with Ultracold Atoms

9:45 – 10:30 Tadas Paulauskas (Center for Physical Sciences and Technology, Lithuania)
Photonic Quantum Technologies

10:30 – 11:15 Nicolas Gauquelin (University of Antwerp, Belgium)
Advanced Electron Microscopy for the Study of 2D Materials and Complex Oxide Interfaces

11:15 – 11:35 Coffee Break

Chairperson Petras Rimantas Venskutonis

11:35 – 12:20 Tomas Tamulevičius (Kaunas University of Technology, Lithuania)
Self-Assembled Plasmonic Nanostructures and Their Applications

12:20 – 13:05 Vipul Sharma (University of Turku / University of Freiburg, Finland / Germany)
1D and 2D Materials for Sustainable Electronics

13:05 – 16:00 Break

16:00 – 21:00 Social Event: Orienteering Competition, Exploring Lithuanian Kitchen (“HBH Palanga”, Žibininkai Village, <http://www.hbh.lt/>)

August 27, Thursday*Chairperson Maciej Ptak*

- 8:30 – 9:00** Registration
- 9:00 – 9:45** **Andreas Fery** (Institut für Polymerforschung Dresden and Technical University Dresden, Germany)
From Polymer Grafting to Messenger Materials and Sustainable Metamaterials
- 9:45 – 10:30** **Yogendra Kumar Mishra** (University of Southern Denmark, Denmark)
Tetrapods Based Advanced Materials for Advanced Technologies
- 10:30 – 11:15** **Petras Rimantas Venskutonis** (Kaunas University of Technology, Lithuania)
Micro and Nanoencapsulation for Preservation and Delivery of Biomolecules
- 11:15 – 11:35 Coffee Break
- Chairperson Li-Yin Chen*
- 11:35 – 12:20** **Amrita Jain** (Polish Academy of Sciences, Poland)
Next-Generation Energy Storage: The Emerging Role of Gel Polymer Electrolytes
- 12:20 – 13:05** **Amar M. Patil** (Kiel University, Germany)
Advancing Next-Generation Zinc-Ion Energy Storage Toward Integrated Solar-Battery Systems
- 13:05 – 13:50** **Antanas Daugela** (Nanometronix LLC, USA)
Thin Film Characterization by Ultra-Fast Nanoindentation Assisted Fatigue
- 13:50 – 15:00 Break
- 15:00 – 17:00** **Poster Session with Voting for the Best Poster** (*Chairperson Tomas Tamulevičius*)
- 17:00 – 17:30** **Best Poster Awards and Conference Photo**

August 28, Friday*Chairperson Arvydas Ruseckas*

- 9:00 – 9:45** **Maciej Ptak** (Polish Academy of Sciences, Poland)
From Molecule to Material: Impact of Cation Halogenation in Hybrid Systems
- 9:45 – 10:30** **Agnieszka Lipke** (Maria Curie-Skłodowska University in Lublin / Vilnius University, Poland / Lithuania)
Synthesis of LDH-Porphyrin Hybrid Materials and Their Application in Chromate(VI) Ion Sorption
- 10:30 – 11:00** **Li-Yin Chen** (National Yang Ming Chiao Tung University, Taiwan)
Toward Scalable and Deployable Organic Gas Sensors: From Device Engineering to Real-World Environmental Systems
- 11:00 – 11:20 Coffee Break
- Chairperson Sigita Tamulevičius*
- 11:20 – 12:05** **Anna Lukowiak** (Polish Academy of Sciences, Poland)
The Use of Photoluminescence in Bioactive Glasses
- 12:05 – 12:50** **Agnieszka Gładysz-Płaska** (Maria Curie-Skłodowska University, Poland)
Functionalized Materials Based on Natural Sorbents for the Recovery and Capture of Uranium and Lanthanides in the Context of Critical Raw Materials
- 12:50 – 13:00** **Closing Remarks and Certificates**