



THE *TENTATIVE* PROGRAM

ENEFM 2026

INTERPHOTONICS 2026

ENEFM 2026
12th INTERNATIONAL CONGRESS ON ENERGY EFFICIENCY AND
ENERGY RELATED MATERIALS
July 14-16, 2026

INTERPHOTONICS 2026
8th INTERNATIONAL CONFERENCE ON PHOTONICS RESEARCH
July 14-16, 2026

The Twin Towers Hotel-Bangkok, THAILAND

TENTATIVE PROGRAM TUESDAY, JULY 14, 2026	
ENEFM & INTERPHOTONICS	
HALL 1	
PLENARY SESSION 09:30-10:15	Chairperson: A.Yavuz Oral
PLENARY SESSION 10:15-11:00	Chairperson: A.Yavuz Oral Zunhua Zhang Wuhan University of Technology, China "ID699- Investigation of Hydrogen Production via onboard reforming for Low- and Zero-Carbon Marine Engines"
11:00- 11:30	COFFEE BREAK
PLENARY SESSION 11:30-12:15	Chairperson: A.Yavuz Oral John Bell University of Southern Queensland, Australia "ID669- Building the future energy system"
12:30- 14:00	LUNCH

HALL 1

Chairperson: **Ersin Kayahan**

14:00-14:30

Yoshiyuki Uruma

NIT(KOSEN), Yonago College, Japan

(invited speaker)

ID790- Development and Evaluation of Photosensitizer-Loaded Polymeric Micelles for Targeted Photodynamic Therapy

14:30-14:50

Nathan Heo

Kongju National University, Department of Mechanical Engineering, Korea, Republic Of

ID692- Enhancing Mechanical Stability of Nanoporous Pt/C Electrodes via Controlled Thermal Annealing

14:50-15:10

Pranuda Jivaganont

National Energy Technology Center, Thailand

ID696- Impacts of PV Input Data Fidelity on PV-BESS Sizing: A Sensitivity Study Using Sizing and Financial Deviation Indices

15:10-15:30

Weichen Zhang

Institute of Science Tokyo, Japan

ID794- FUNDAMENTAL STUDY ON THE APPLICATION OF PHOTOACOUSTIC AND LIBS TECHNIQUES FOR UNDERWATER OBJECT CHARACTERIZATION

15:30-16:00

Federica Fernandez

University of Palermo, Italy

(invited speaker)

ID610- Biophilic and Solar-Integrated Façades for Energy-Efficient Buildings: Design Strategies for Reducing Cooling Demand and Enhancing Net-Zero Performance in Climate-Sensitive Urban Contexts

16:00-16:30

PARALLEL SESSIONS 14:00-16:30

TENTATIVE PROGRAM
WEDNESDAY, JULY 15, 2026

ENEFM & INTERPHOTONICS

HALL 1

PLENARY SESSION 09:30-10:15	Chairperson: A.Yavuz Oral
PLENARY SESSION 10:15-11:00	Chairperson: A.Yavuz Oral Ehsan Sharifi Adelaide University, Australia "ID676- Urban greenery and energy efficiency in Urban Heat Islands: Knowledge, application and impact in Australia"
11:00- 11:30	COFFEE BREAK
PLENARY SESSION 11:30-12:15	Chairperson: A.Yavuz Oral Saheli Biswas CSIRO, Australia "ID693- Material challenges with proton conducting ceramics for intermediate temperature hydrogenation/dehydrogenation applications"
12:30- 14:00	LUNCH

	<p style="text-align: center;">ENEFM & INTERPHOTONICS HALL 1</p> <p>Chairperson: Ersin Kayahan</p> <p>14:00-14:30 Omorjit Singh Khwairakpam INFN-LNL, Italy <i>(invited speaker)</i> ID19- SPES Laser Ion Source: Existing design and possible upgrades</p> <p>14:30-15:00 Xiongfeng Pan Dalian University of Technology, China <i>(invited speaker)</i> ID668- How do population aging and sub-replacement fertility affect carbon efficiency in European Economic Area? A multi-level and multivariate mediation analysis of population flow and technological innovation considering spatio-temporal effect</p> <p>15:00-15:30 Satoshi Fujii National Institute of Technology, Okinawa college, Japan <i>(invited speaker)</i> ID714- Defect Engineering in Semiconductor Lattices through Microwave Heating</p> <p>15:30-16:00 Frederic Kuznik INSA LYON, France <i>(invited speaker)</i> ID698- Development of Thermochemical Batteries for Sustainable Energy Management: From Materials to Systems</p> <p>16:00-16:30</p>
<p style="text-align: center;">17:00</p>	<p style="text-align: center;"><i>SOCIAL PROGRAM</i></p> <p style="text-align: center;"><i>17:00 CHAOPHRAYA DINNER CRUISE & ASIATIQUE NIGHT BAZAAR</i></p> <p style="text-align: center;"><i>(Gathering at Congress registration desk)</i></p>

TENTATIVE PROGRAM
THURSDAY, JULY 16, 2026

ENEFM & INTERPHOTONICS

HALL 1

PLENARY SESSION 09:00-09:45	Chairperson: A. Yavuz Oral
PLENARY SESSION 09:45-10:30	Chairperson: Ersin Kayahan Shuyuan Zhao Harbin Institute of Technology, China "ID809- Microstructural Transition Mechanisms, Radiative Properties Synchronous Characterization and Conduction/Radiation/Reactions Involved Heat Transfer Processes Provoked by Physicochemical Reactions in Aerogel Nanocomposites"
10:30 - 11:00	COFFEE BREAK
PARALLEL SESSIONS 11:00-12:50	Chairperson: Ersin Kayahan 11:00-11:30 Takahiro Numai Ritsumeikan University, Japan (invited speaker) ID31- SINGLE LONGITUDINAL MODE LASER DIODE - IFRASTRUCTURE OF THE INTERNET 11:30-12:00 Karel Maca Brno University of Technology, Czech Republic (invited speaker) ID799- Processing of transparent polycrystalline ceramics doped with various rare earth elements and transition metals and their luminescent properties 12:00-12:30 Antonio C M Sousa University of Aveiro, Portugal (invited speaker) ID708- A Hydrogen Pathway Toward Sustainable Renewable Energy 12:30-12:50 Chunfei Wang University of Macau, China ID805- Self-Immolative Photosensitizers for Self-Reported Cancer Phototheranostics
12:30- 14:00	LUNCH

14:00-16:00	<p>FOYER (Poster Session Area)</p> <p>Chairperson: A. Yavuz Oral</p> <p>POSTER SESSION</p> <p>ENEFM & <i>INTHERPHOTONICS</i></p>
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PROGRAM LEGEND DESCRIPTIONS	
ID-	ENEFM 2026 oral presentations
ID-	<i>INTHERPHOTONICS 2026 oral presentations</i>

TENTATIVE POSTER PROGRAM
THURSDAY, JULY 16, 2026

14:00-16:00

FOYER (Poster Session Area)

Chairperson: A. Yavuz Oral

ENEFM & INTHERPHOTONICS

ID	TITLE	CONTACT AUTHOR
670	GALLIUM-BASED LIQUID METAL DROPLETS SELF-PROPELLED JUMPING AND THE ENERGY CONVERSION PREDICTION BASED ON CONVOLUTIONAL NEURAL NETWORKS	Xiaomin Wu
673	WATER DROPLET IMPACT AND FREEZING ON SPHERICAL SURFACES	Jingchun Min
XX	XX	X
25	BORATE CRYSTALS AS FUNCTIONAL MATERIALS FOR PHOTONIC APPLICATIONS	Tatyana Bekker
29	Design and Evaluation of a Three-Stage Elliptical Cavity for Homogenizing the Pumping Distribution in a Solar-pumped Laser	Honami Maki
XX	XX	X