

5th International Conference on
Chemistry & Chemical Engineering
 July 23-24, 2026 | Vienna, Austria

Day 1: July 23, 2026

08:00 - 09:00

Registrations

Opening Remarks

Keynote Presentations

09:00 - 09:30

Synthesis of a Cobalt Cube: A Potential Catalyst for Water Oxidation

Abul Kasem Fazlur Rahman, Oklahoma School of Science and Mathematics, USA

09:30 - 10:00

Chamaeleon Nanocarriers for RNA Delivery and Genome Editing

Prof. Ernst Wagner, Ludwig-Maximilians-Universität, Germany

10:00 - 10:30

Networking Break + Group Photo

Technical Session-I (10:30 - 12:50)

10:30 - 10:50

Automated thermal desorption-gas chromatography/mass spectrometry for rapid screening of hazardous chemicals in clothing and other textiles

Prof. Ulrika Nilsson, Stockholm University, Sweden

10:50 - 11:10

Advanced Oxygen Carrier Materials for Clean H₂ Production and CO₂ Separation in Chemical Looping Processes

Dr. Julien Göthel, Rouge H₂ Engineering AG, Germany

11:10 - 11:30

Non-halogenated flame retardants for various applications in advanced materials

Dr. Katarzyna Zielińska, Institute of Heavy Organic Synthesis, Blachownia, Poland

11:30 - 11:50

Correlation between electrical conductivity and deformation of polymeric composites

Prof. Ivan Chodak, Polymer Institute SAS, Slovakia

11:50 - 12:10	Engineering Nuclearity in Vanadium Assemblies: From metallosupramolecular isomerism to Tunable Oxidation Catalysis
	<i>Dr. Visnja Vrdoljak, University of Zagreb, Croatia</i>
12:10 - 12:30	Slot available
12:30 - 12:50	Slot available
12:50 - 14:00	Lunch @ Restaurant
Technical Session-II	
14:00 - 14:20	Performance of Carbon Fiber-Reinforced Date Palm Midrib Composites
	<i>Dr. Mohammad Hassan Mazaherifar, Transilvania University of Braşov, Romania</i>
14:20 - 14:40	Potential Application of core-shell SPIONs Nanoparticles and Cellulose Acetate Membranes in Synergistic Urea Removal from Dialysate
	<i>Fahimeh Zare, Institute Superior Tecnico, Portugal</i>
14:40 - 15:00	Slot available
15:00 - 15:20	Slot available
15:20 - 15:40	3D Printing, Additive Manufacturing, and Industrial Applications
	<i>Dr. Mohammed Qasim Kareem, Al-Qasim Green University, Hungary</i>
15:40 - 16:00	Refreshment Break
16:00 - 16:20	Skin Permeation and Stability of Vitamin D ₃ in the Presence of PAAbCH
	<i>Dr. Doris Lacej, Sapienza University of Rome, Italy</i>
16:20 - 16:40	Slot available
16:40 - 17:00	Slot available
Panel discussions	

Day -1 Concludes	
Day 2: July 24, 2026	
Keynote Presentations	
09:00 - 09:30	Simulation-based prediction of fiber orientation in highly filled thermoset materials based on process-relevant rheological data <i>Dr. Uta Rösel, Institute of Polymer Technology, Friedrich-Alexander- Universität Erlangen-Nuremberg, Germany</i>
09:30 - 10:00	Slot available
10:00 - 10:30	Networking Break + Group Photo
Technical Session-III (10:30 - 12:50)	
10:30 - 10:50	Accelerated creep/fatigue characteristics estimation using DIC <i>Mr. Radim Halama, Technical University of Ostrava, Czech Republic</i>
10:50 - 11:10	Probing non-covalent interactions within π - π stacking assembly by EPR Spectroscopy <i>Dr. Baode Zhang, Liaoning Petrochemical University, China</i>
11:10 - 11:30	Electrolytic Recovery of Indium from Copper Indium Gallium Selenide Photovoltaic Panels: Preliminary Investigation of Process Parameters <i>Dr. Monika Gajec, Oil and Gas Institute, Poland</i>
11:30 - 11:50	Pd-Modified Porous Frameworks: Towards Selective and Efficient Gas Separation <i>Dr. Anna Król, Oil and Gas Institute, Poland</i>
11:50 - 12:10	Plants as Living Sensors and Power Sources: Revealing Nature's Hidden Transducers <i>Prof. Carlo Trigona, University of Catania, Italy</i>
12:10 - 12:30	Slot available
12:30 - 12:50	Slot available
12:50 - 14:00	Lunch @ Restaurant
Technical Session-IV	

14:00 - 14:20	Research of the physicochemical properties of biodiesel from grape seed oil as an alternative energy source
	<i>Miss. Aisha Suleymanova, Institute of Bioresources, Azerbaijan</i>
14:20 - 14:40	Photobiomodulation with LED Does Not Alter Antibiotic Sensitivity in ATCC and Burn-Patient Bacteria
	<i>Dr. Flávia Assunção, University of São Paulo, Brazil</i>
14:40 - 15:00	Slot available
15:00 - 15:20	Design and development of biopolymer-based PLA/ZIF-67 nanofibers for sustainable air filtration technologies
	<i>Mr. Yogesh Hari Krishnan, Hallym University, South Korea</i>
15:20 - 15:40	Bandgap of Si3MnS phase in supercell (1X1X3)
	<i>Dr. Mavlyanov Abdulaziz, Research Institute of Semiconductor Physics and Microelectronics, Uzbekistan</i>
15:40 - 16:00	Slot available
16:00 - 16:20	Refreshment Break
16:20 - 16:40	Poster Presentations
16:40 - 17:00	Syngas Production via Dry Reforming of Methane over Gd-Promoted Ni/SBA-16: Catalyst Design and Process Optimization Using RSM
	<i>Ahmed S. Al Fatesh, King Saud University, Saudi Arabia</i>
17:00 - 17:20	The effect of TiO2 nanoparticles on the catalytic activity of a porphyrin towards electrochemical sensing and photoelectro degradation of pentachlorophenol
	<i>Mr. Mbulelo Jokazi, Rhodes University, South Africa</i>
17:20 - 17:40	An In-Depth Review of Molecularly Imprinted Electrochemical Sensors as an Innovative Analytical Tool in Water Quality Monitoring: Architecture, Principles, Fabrication, and Applications
	<i>Mr. Mbuyamba Divin Mukendi, University of South Africa, South Africa</i>
Conference Concludes	
Note: This is a tentative agenda, subjected to changes	
To book your slot, please contact joseph-harris@urforum.org	