

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 <i>Abul Kasem Fazlur Rahman, Oklahoma School of Science and Mathematics, USA</i>
09:30 - 10:00	Chamaeleon Nanocarriers for RNA Delivery and Genome Editing <i>Prof. Ernst Wagner, Ludwig-Maximilians-Universität, Germany</i>
10:00 - 10:30	<i>Networking Break + Group Photo</i>
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 <i>Prof. Ulrika Nilsson, Stockholm University, Sweden</i>
10:50 - 11:10	Advanced Oxygen Carrier Materials for Clean H2 Production and CO2 Separation in Chemical Looping Processes <i>Dr. Julien Göthel, Rouge H2 Engineering AG, Germany</i>
11:10 - 11:30	Non-halogenated flame retardants for various applications in advanced materials <i>Dr. Katarzyna Zielińska, Institute of Heavy Organic Synthesis, Bialystok, Poland</i>
11:30 - 11:50	Correlation between electrical conductivity and deformation of polymeric composites <i>Prof. Ivan Chodak, Polymer Institute SAS, Slovakia</i>

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 Brașov, 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 D₃ 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
<i>Panel discussions</i>	

		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	