

JUNE 24, MONDAY

11-00	<p>The Solemn Meeting for the 70th anniversary of the Department of Chemical Engineering of Lviv Polytechnic National University <i>Lviv Polytechnic National University, 101 auditorium of the 9th building, Lviv, St. Yura sqr. 9</i></p> <p>The Greetings of the Vice-Chairman of the Program Committee, the Director of the Institute of Chemistry and Chemical Technologies, Lviv Polytechnic National University (Lviv, Ukraine), Professor Volodymyr Skorokhoda</p> <p>The Greetings of the Chairman of the Organizing Committee, the Head of the Department of Chemical Engineering, Lviv Polytechnic National University (Lviv, Ukraine), Professor Volodymyr Atamanyuk</p>
11-30	<p>To the memory of the outstanding Scientist and Pedagogue of Lviv Polytechnic <i>The speech devoted to the 100th anniversary of the birth of Professor, Honored Worker of Science and Technology of Ukraine, Head of the Department of Processes and Apparatuses of Chemical Production (now – the Department of Chemical Engineering) Gregory Abramovich Akselrud Professor Jaroslaw Gumnitsky</i></p> <p>Professor of the Department of Ecology and Sustainable Environmental Management, Lviv Polytechnic National University, Ukraine</p>
13-00	<p>The Department's Staff and Alumni Meeting <i>Lviv Polytechnic National University, the Department of Chemical Engineering, 108 auditorium of the 9th building, Lviv, St. Yura sqr. 9</i></p>
15-00	<p>The Lviv Polytechnic National University Walking Tour <i>Lviv Polytechnic National University, start from the 9th building, Lviv, St. Yura sqr. 9</i></p>
<p>JUNE 25, TUESDAY</p>	
09-00	<p>The Registration <i>Lviv Polytechnic National University, the Hall of the main building, 2nd floor, Lviv, Bandery str. 12</i></p>
10-00	<p>The Opening Ceremony <i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i></p>

	<p>The Greetings of the Chairman of the Program Committee, the Rector of Lviv Polytechnic National University (Lviv, Ukraine), Professor Yuriy Bobalo</p> <p>The Greetings of the Chairman of the Organizing Committee, the Head of the Department of Chemical Engineering, Lviv Polytechnic National University (Lviv, Ukraine), Professor Volodymyr Atamanyuk</p> <p>The Greetings of the Dean of Faculty of Chemistry of Rzeszow University of Technology (Rzeszow, Poland), Professor Dorota Antos</p> <p>The Greetings of the Head of the Department of Informatics and Environment Quality Research of Warsaw University of Technology, (Warsaw, Poland), Professor Artur Badyda</p> <p>The Greetings of the Head of the Group of Bioprocess and Biomedical Engineering of Wroclaw University of Technology (Wroclaw, Poland), Professor Anna Trusek-Holownia</p> <p>The Greetings of the Head of Research Support Department of New Chemical Syntheses Institute (Pulawy, Poland), Mrs. Anna Tynska</p>
	PLENARY PRESENTATIONS
10-30	<p><i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i></p> <p><i>Chairman: Prof. Volodymyr Atamanyuk</i></p>
	Energy efficient equipment for utilities and industry Academician Yuriy Sniezhkin
10-30	<p>Member of National Academy of Sciences of Ukraine, Director of Institute of Engineering Thermophysics of National Academy of Sciences of Ukraine, Ukraine</p>
	Forced modulation of operating conditions in chromatographic separation: potential and pitfalls Professor Dorota Antos
11-00	<p>Dean of Faculty of Chemistry, Head of the Department of Chemical and Process Engineering, Rzeszow University of Technology, Poland</p>
11-30	<p style="text-align: center;">The Coffee Brake</p> <p><i>Lviv Polytechnic National University, the buffet of the main building, Lviv, Bandery str. 12</i></p>
	PLENARY PRESENTATIONS
12-00	<p><i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i></p> <p><i>Chairman: Prof. Volodymyr Skorokhoda</i></p>

12-00	<p>Particles and lungs – where chemical engineering meets medicine Professor Tomasz Sosnowski Vice-Dean for Scientific Research of the Faculty of Chemical and Process Engineering, Warsaw University of Technology, Poland</p>	
12-30	<p>Impact of physico-chemical properties of transition metal oxide based TiO₂ catalysts on the low-temperature selective catalytic reduction of NO by NH₃ Associate Professor Wladimir Suprun Head of Laboratory of Heterogeneous Catalysis, Senior Research Scientist, Institute of Chemical Technology, Leipzig University, Germany</p>	
13-00	<p>The Lunch <i>The restaurant «Baliova Salia», Lviv, Japons'ka str. 7</i></p>	
14-30	<p>YOUNG CHEMIST'S SCHOOL <i>Lviv Polytechnic National University, 226 auditorium of the main building, Lviv, Bandery str. 12</i></p>	
14-30	<p>Start-up development Dr. Wojciech Wodo Research Assistant, Wroclaw University of Science and Technology, Poland</p>	
14-30	<p>SECTIONAL PRESENTATIONS <i>Lviv Polytechnic National University, 217, 223 auditoriums of the main building, Lviv, Bandery str. 12</i></p>	
14-30	<p>COMPUTER SIMULATION IN THE CHEMICAL TECHNOLOGY AND ENGINEERING <i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i> Chairmen: Prof. Tomasz Sosnowski Assoc. Prof. Roman Havryliv</p>	<p>DEVELOPMENT, ENERGY AND RESOURCE SAVING IN THE CHEMICAL AND FOOD TECHNOLOGIES <i>Lviv Polytechnic National University, 223 auditorium of the main building, Lviv, Bandery str. 12</i> Chairmen: Prof. Leonid Tovazhniansky Prof. Jaroslav Gumnitsky</p>
14-30	<p>Wojciech Marek Granulation and drying of fertilizers based on alternative source of phosphorus</p>	<p>Volodymyr Potapov Theoretical analysis of the energy efficiency of the filtration drying at the high pressure</p>

14-45	<p>Petro Kapustenko The correlation of experimental results for condensation of steam from its mixture with air in channel of plate heat exchanger based on mathematical modelling</p>	<p>Andriy Sliuzar Investigation of oxygen chemisorption during regeneration of a quinhydrone absorbing solution in continuous barbotage layer absorbers</p>
15-00	<p>Piotr Zemojtel Molecular dynamics simulation of Ion Beam Etching as technology process for creating graphene-based membranes</p>	<p>Roman Nebesnyi Effect of Support Nature on the Efficiency of B-P-V-W-Ox Catalysts of Acrylic Acid Synthesis with Aldol Condensation of Acetic Acid with Formaldehyde.</p>
15-10	<p>Nazar Sokil Investigation of temperature processes in the process of interaction of technological units and production of products in a machine of bread baking</p>	<p>Natalia Dabizha Research in low-temperature heat pump drying</p>
15-20	<p>Mirosław Szukiewicz Justification of dead zone presence in catalyst pellets</p>	<p>Kateryna Slobodianiuk Determination of heat of evaporation of soy-carrot mixture</p>
15-30	<p>Łukasz Radosinski Molecular modeling using Molecular Dynamics and Coarse-grained models of hydrogel structural and transport properties</p>	
15-45	<p>The Coffee Brake <i>Lviv Polytechnic National University, the buffet of the main building, Lviv, Bandery str. 12</i></p>	
15-45	<p>THE POSTER SESSION <i>Lviv Polytechnic National University, the second floor of the main building, Lviv, Bandery str. 12</i></p> <p>Computer simulation in the chemical technology and engineering Development, energy and resource saving in the chemical and food technologies Optimization of biochemical processes and bioengineering Green chemistry Alternative and non-conventional energy sources <i>Scientific commission:</i> Prof. Tomasz Sosnowski, Dr. Roman Kresinski, Dr. Volodymyr Reutsky</p>	

16-00	YOUNG CHEMIST'S SCHOOL <i>Lviv Polytechnic National University, 226 auditorium of the main building, Lviv, Bandery str. 12</i>	
16-00	C4 chemistry: using of renewable raw materials for the production of energy and chemical products Associate Professor Wladimir Suprun Head of Laboratory of Heterogeneous Catalysis, Senior Research Scientist, Institute of Chemical Technology, Leipzig University, Germany	
16-00	SECTIONAL PRESENTATIONS <i>Lviv Polytechnic National University, 217, 223 auditoriums of the main building, Lviv, Bandery str. 12</i>	
16-00	GREEN CHEMISTRY and OPTIMIZATION OF BIOCHEMICAL PROCESSES AND BIOENGINEERING <i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i> Chairmen: Prof. Anna Chrobok Assoc. Prof. Diana Kindzera	ALTERNATIVE AND NON-CONVENTIONAL ENERGY SOURCES <i>Lviv Polytechnic National University, 223 auditorium of the main building, Lviv, Bandery str. 12</i> Chairmen: Academician Yuriy Sniezhkin Prof. Volodymyr Starchevskyy
16-00	Agnieszka Siewniak Immobilized catalysts in synthesis of cyclic carbonates from CO ₂	Zhanna Petrova Nonwaste technology of receipt of humic fertilizers from peat
16-15	Beata Orlinska Ionic liquids and supercritical carbon dioxide as solvents for NHPI-catalysed oxidation reactions	Viacheslav Mykhailyk Thermal decomposition of thermally treated granulated wood
16-30	Agnieszka Kudelko Efficient Synthesis of Conjugated 1,2,4-Triazole Derivatives under Suzuki Cross-Coupling Reactions in the Presence of Ionic Liquids	Victoria Ribun Properties of gasoline with additives of combustion activators
16-45	Elzbieta Chmiel-Szukiewicz Polyurethane foams with reduced	Natalia Sorokova Mathematical modeling of the

	flammability based on oligoetherols synthesized from 1,3-bis(2-hydroxyethyl)uracil, boric acid and ethylene carbonate	dynamics of heat and mass transfer, phase transformations and thermal decomposition at high temperature drying of biomass
17-00	Natalija Dmytrenko Changes in plant material when drying according to IR spectroscopy	Nuri Tunc Improvements That are Applicable in the Automation System to Increase CH ₄ Ratio in Co-Fermentation Plants
17-30	The Lviv Walking Tour <i>Lviv, Old Center of the City, start from the main building, Lviv, Bandery str. 12</i>	
JUNE 26, WEDNESDAY		
10-00	PLENARY PRESENTATIONS <i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i> Chairman: Prof. Dorota Antos	
10-00	Process stages energy efficiency increasing in high capacity ammonia production plants (1360 – 1420 t NH₃/day) Professor Leonid Tovazhnyansky Honorary Rector of NTU “KhPI”, Corresponding Member of the National Academy of Sciences of Ukraine, Head of the Department of Integrated Technologies, Processes and Instruments	
10-30	Exposure to selected air pollutants in the grilling process Professor Artur Badyda Head of the Department of Informatics and Environment Quality Research, Warsaw University of Technology, Poland	
11-00	The Coffee Brake <i>Lviv Polytechnic National University, the buffet of the main building, Lviv, Bandery str. 12</i>	
11-30	PLENARY PRESENTATIONS <i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i> Chairman: Prof. Artur Badyda	
11-30	Ionic liquids – application driven synthesis in green chemistry Professor Anna Chrobok Vice-Dean for Science and International Cooperation of the Faculty of Chemistry, Silesian University of Technology, Poland	

12-00	<p align="center">Scorpionates with real sting Doctor Roman Kresinski Senior Lecturer of the Materials Research Group, School of Life Sciences, Pharmacy and Chemistry, Kingston University, United Kingdom</p>	
12-30	<p align="center">PRESENTATION OF THE INVITED PARTNER <i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i></p> <p align="center">Condition, development prospects and problems of chemical production Mr. Aleksandr Boletyski Deputy General Director for Production, KARPATNAFTOCHIM Ltd., Ukraine</p>	
13-00	<p align="center">The Lunch <i>The restaurant «Baliova Salia», Lviv, Japons'ka str. 7</i></p>	
14-00	<p align="center">YOUNG CHEMIST'S SCHOOL <i>Lviv Polytechnic National University, 226 auditorium of the main building, Lviv, Bandery str. 12</i></p>	
14-00	<p align="center">Continuous improvement in education of chemical engineers and researchers in the United States Mr. Taras Yurkiv Retired Senior Process Engineer, BP Products North America Inc., USA</p>	
14-00	<p align="center">SECTIONAL PRESENTATIONS <i>Lviv Polytechnic National University, 217, 223 auditoriums of the main building, Lviv, Bandery str. 12</i></p>	
14-00	<p align="center">THE INNOVATIVE TECHNOLOGIES IN THE CHEMICAL AND FOOD INDUSTRIES <i>Lviv Polytechnic National University, 217 auditorium of the main building, Lviv, Bandery str. 12</i> Chairmen: Prof. Dorota Antos Prof. Volodymyr Atamanyuk</p>	<p align="center">ECOLOGY AND SUSTAINABLE DEVELOPMENT. ENVIRONMENTAL PROTECTION <i>Lviv Polytechnic National University, 232 auditorium of the main building, Lviv, Bandery str. 12</i> Chairmen: Prof. Artur Badyda Prof. Oleh Nagursky</p>

14-15	Alexander Pokutsa Studying on Liquid Phase Cyclohexane Oxidation Enhanced by Oxalic Acid: Pertinent Response by Long-Lasting Challenge	Roman Petrus Removal of Volatile Organic Compounds (VOCs) on synthesized zeolites
14-30	Iryna Huzova Modeling of the saturation reactor in the production of pumpkin candied fruits	Igor Volchyn Features of semi-dry ammonia desulfurization
14-45	Yuliya Levtrynska Microwave Vacuum Extraction for Rosehips Polyextracts	Maksymilian Olbrycht Mass transport of micro- and macro-molecule compounds of phosphorous base fertilizer fortified with protein in soil matrix
15-00	The Coffee Brake <i>Lviv Polytechnic National University, the buffet of the main building, Lviv, Bandery str. 12</i>	
15-00	THE POSTER SESSION <i>Lviv Polytechnic National University, the second floor of the main building, Lviv, Bandery str. 12</i> The innovative technologies in the chemical and food industries Ecology and sustainable development. Environmental protection <i>Scientific commission:</i> Prof. Artur Badyda, Dr. Iryna Kostiv, Dr. Oksana Dobrovetska	
16-00	YOUNG CHEMIST'S SCHOOL <i>Lviv Polytechnic National University, 226 auditorium of the main building, Lviv, Bandery str. 12</i>	
16-00	Computer simulation in engineering: advantages and opportunities Associate Professor Oleksandr Ivashchuk Associate Dean for Master's Studies for Organizational and Educational Work of the Institute of Chemistry and Chemical Technologies, Lviv Polytechnic National University, Ukraine	
16-00	SECTIONAL PRESENTATIONS <i>Lviv Polytechnic National University, 217, 223 auditoriums of the main building, Lviv, Bandery str. 12</i>	
15-30	Ilya Sirotyuk Analytical and Experimental Modeling of Heat and Mass Transfer in Electrodynamic Apparatuses	Olha Linievych A Simple Environmental-Friendly Method for Disposing Toxic Chemical Wastes

15-45	Vira Sabadash Thermodynamics of orthophosphoric acid adsorption under static conditions	Marek Inger The influence of the operating conditions in ammonia burner on the effectiveness of the catalyst for a nitrous oxide decomposition
16-00	Yevhen Pylypenko Energy Effective Equipment for Polyextracts Producing	Liudmyla Haponych Estimation Method of Greenhouse Gases Emissions at Thermal Power Plants
16-15		Monika Ruzsak Research on the shaping process of PKR-2 catalyst for a high-temperature N ₂ O decomposition with using capillary rheometry
16-30		Maciej Thomas Application of UV, H ₂ O ₂ , H ₂ O ₂ /UV, Fe(II)/H ₂ O ₂ and Fe(II)/H ₂ O ₂ /UV process for oxidation of organic compounds in printed circuit boards wastewater
18-00	The Banquet for the Conference Participants <i>Restaurant and hotel complex «Gucul'ska Grazhda», Lviv, Volodymyra Velykogo str. 2a</i>	
JUNE 27, THURSDAY		
09-00	Excursion to the Zolochiv Castle <i>The Zolochiv Castle, Zolochiv, start from the 9th building, Lviv, St. Yura sqr. 9</i>	
19-00	The Leopold Jazz Fest Walking Tour <i>Leopold Jazz Fest, Lviv, The Park of Culture, start from the 9th building, Lviv, St. Yura sqr. 9</i>	
JUNE 28, FRIDAY		
11-00	International Round Table of the Conference Participants <i>Lviv Polytechnic National University, 110 auditorium of the 9th building, Lviv, St. Yura sqr. 9</i>	
12-00	The Closing Ceremony <i>Lviv Polytechnic National University, 110 auditorium of the 9th building, Lviv, St. Yura sqr. 9</i>	