

Tuesday afternoon August 16		
14:00-18:00	Onsite registration & Sign up	
Wednesday August 17		
9:00-9:10	Opening Ceremony	
Session: Macrocyclic compounds Chair: Bohdan Korybut-Daszkiewicz		
9:10-9:35	01: Synthesis of Conductive Polyrotaxane Polymer and Its Application to Molecular Electronics	Jun Terao, Kyoto University, Japan
9:35-10:00	02: Cooperative Creation of Metallo-supramolecules and Their Functions	Tatsuya Nabeshima, University of Tsukuba, Japan
10:00-10:25	34: Biomolecular Recognition with Calixarene Macrocycles	Carmine GAETA Univerity of Salerno, Italy
10:25-10:50	35: Stereoprogrammed Interpenetrated Architectures Obtained by Calixarene Threading	Carmen TALOTTA Univerity of Salerno, Italy
10:50-11:05	Session Break	
11:05-11:30	36: Calix[n]arene-based pseudorotaxanes induced by the weakly coordinating TFPB anion approach	Margherita DE ROSA Univerity of Salerno, Italy
11:30-11:55	03: Tuning the cucurbituril cavity for guest binding	Anthony I. Day, University of Manchester, England
11:55-12:20	04: Macrocyclic transition metal complexes as redox-active building blocks for construction	Bohdan Korybut-Daszkiewicz, Polish Academy of Sciences, Poland
12:20-14:00	Lunch Break	
Session: Power electronic and Smart power utilization technology Chair: DongSoo Har		
14:00-14:25	05: Practical Using of AutoGrid Strains Analyzer	Monika Hycza-Michalska, Silesian University of Technology, Poland
14:25-14:50	06: Fuel cell and battery hybridization based on a dimensionless design methodology	Sang Cheol Lee, Daegu Gyungbuk Institute of science and technology, Korea

14:50-15:15	07: Hybrid Superconducting Device for Improved Grid Stability and Reliability	Shuki Wolfus, Bar-Ilan University, Israel
15:15-15:40	08: Partial Power Processing in Power Electronics	Doron Shmilovitz, Tel Aviv University, Israel
15:40-16:05	09: Smart Power Utilization for Desalination	DongSoo Har, Cho Chun Shik Graduate School for Green Transportation, Korea
16:05	Dinner Social	
Thursday August 18		
Session: Molecular self assembly and assembly Chair: Irena Drevenšek-Olenik		
9:00-9:25	10: Hierarchical self-assembly by colloidal and block copolymer lithography	Katharina Brassat, University of Paderborn, Berlin
9:25-9:50	11: Elucidation of the Aggregation Pathways of Helix-Turn-Helix Peptides: Stabilization at the Turn Region Is Critical for Fibril	Kristi Cantrell, Westmont College, U.S.A
9:50-10:15	12: Switchable cages based on large and flexible multicomponent structures	Valerie Heitz, Université de Strasbourg, France
10:15-10:30	Session Break	
10:30-10:55	13: The induction mechanism of extended defect due to self-interstitial atoms	Nakagawa, T, Sachiko, Okayama Univ. of Science, Japan
10:55-11:20	14: Self-assembly of lipophilic nucleoside derivatives in thin surface films	Irena Drevenšek-Olenik, University of Ljubljana, Slovenia
11:20-11:45	33: Two-dimensional materials heterostructures	Wanshun Xia, University of Electronic Science and Technology of China, China

11:45-12:05	37: Solid-state molecular recognition and separation of organic isomers by application of mechanochemistry	Krunoslav Užarević, Division of Physical Chemistry Institute ruder boskovic,Croatia
12:05-14:00	Lunch Break	
Session: Intelligent power network transmission technology Chair: Jan Rosecky		
14:00-14:25	15: Reliable Modular Multilevel Converters for High-Voltage Direct-Current Transmission	Fujin Deng, Aalborg University, Denmark
14:25-14:50	16: Accurate current measurements and its measurement standard for smart grid technologies	Seitaro Kon, National Metrology Institute of Japan, Japan
14:50-15:15	17: Local electricity retail markets for prosumer smart grid power services	Jayaprakash Rajasekharan, Smart Innovation, Norwegian Center of Expertise on Smart EnergyMarkets, Halden, Norway
15:15-15:40	18: Integrated municipal energy supply	Wolfgang Schellong, Technical University Cologne, Germany
15:40-16:00	Session Break	
Session: Information and communication technology I Chair: Diekhake Patrick		
16:00-16:25	19: Understanding the Dynamics of Smart Grid Communication Traffic: Analyzing DLMS/COSEM Protocol Behavior in Various AMM Setups	Jan Rosecky, Faculty of Informatics, Masaryk University,Brno, Czech Republic
16:25-16:50	20: Cyber Security of Smart Grid Systems	Vittal Rao, Smart Grid Energy Center, USA
16:50-17:15	21:Mathematical Representation in Projective Spaces of a Dimensionless Hybridization among Multiple Renewable Energy Devices	Heungju Ahn, School of ungergraduate study, DGIST,Korea
17:15-17:40	22:systematic modeling and analysis of distributed automation- and communication systems	Diekhake Patrick, Technische Universität Braunschweig, Germany
17:40	Dinner Social	

Friday August 19

Session: Functional Supramolecular application Chair: Arkadii Arinstein

9:00-9:25	23: Unique properties of electrospun polymer nanofibers (the physical point of view)	Arkadii Arinstein, Technion Israel Institute of Technology, Israel
9:25-9:50	24: Harnessing supramolecular interactions for real world applications: Healing, printing and sticking	Barny Greenland, University of Reading, England
9:50-10:15	25: Controlled spatial distribution of [Ru(bpy) ₃] ²⁺ in a surface functionalized mesoporous silica for the enhancement of photocatalytic	Minoru Sohmiya, Waseda University, Japan

10:15-10:40	26: Dynamic vs non-reversible stimuli-responsive supramolecular polymers	Lucas Montero De Espinosa, University of Fribourg, Switzerland
10:40-11:05	27: Molecular Monolayer Interfaces for Hybrid Electronic Applications	Sujitra Pookpanratana, National Institute of Standards and Technology
11:05-14:30	Lunch Break	
Session: Intelligent power network transmission technology II Chair: Alfredo Vaccaro		
14:30-14:55	28: A new solution for the future power systems	Albana Ilo, Technical University of Vienna, Austria
14:55-15:20	29: Power Resilience through Smart Grid Technologies	Alexis Kwasinski, University of Pittsburgh, USA
15:20-15:45	30: Security and Robustness in Smart Grid Control	Natasa Zivic, University of Siegen, Germany
15:45-16:05	31: Smart Grid Protocols: Challenges and Solutions	Iyad Al Khatib,
16:05-16:30	32: Self-organizing architectures for smart grids control	Alfredo Vaccaro, University of Sannio, Italy