

Session 5: Advanced Catalysis, Materials, and Nanotechnology		
14:15	Invited Speaker: Immobilized catalysts with porous polymers for the continuous flow syntheses	Prof. Yoshiko Miura (KU)
14:30	Invited speaker: Toward 10mAh/cm ² -class High-nickel Cathode via Dry Processing : Materials and Processing Engineering	Prof. Seho Sun (YNU)
14:45	Invited speaker: Effect of Poly(butylene-co-isosorbide succinate) block Copolyester/Random copolyester on Biodegradable Plastics	Dr. Sorapat Niyomsin (CU)
15:00	Break	
Session 6-1: Student's Oral Presentation (Parallel Session)		
15:15 – 17:00	Chair: Asst. Prof. Ampira Charoensaeng Co-Chair: Minkyu Kim	
15:15	Novel Mn doped CoO@rGO as a heterogeneous catalyst for activation of Peroxymonosulfate for organic dye degradation	Ms. Alaa Magdy Saad Mostafa (YNU, Ph.D. student)
15:25	Organic-Free Synthesis of Pure FAU Zeolite via Dry-Gel Conversion for Thiophene and Benzothiophene Adsorption	Ms. Sanfun Lumprapaipond (CU, Ph.D. student)
15:35	Investigation of Dry Reforming of Methane in Molten Manganese Chloride Mixtures	Mr. Dohyeon Kim (YNU, MS student)
15:45	Exploring Metal and Bimetallic Catalysts for Ammonia Decomposition: A Computational and Experimental Perspective	Ms. Yuna Song (YNU, MS student)
15:55	Exploring the potential of graph neural network for computer-aided design: a case on aqueous amine-CO ₂ system	Mr. Apri Wahyudi (CU, Ph.D. student)
16:05	In-situ Formation of a LiF-Rich Solid-Electrolyte Interphase via Fluorine–Nitrogen Co-Doped Carbon for Stabilizing Lithium Metal Anodes	Ms. Yunji Jeong (YNU, MS student)
16:15	Regulating the electronic structure of CoMoO ₄ via La doping for efficient and durable electrochemical water splitting reactions	Mr. Bharathi Armugam (Ph.D. student)
16:25	Ion Effect on Corrosion Behavior of Ni-P Plating in Simulated Bicarbonate Environments	Mr. Naken Saetung (CU, Ph.D. student)
16:35	Antimicrobial and Antibiofilm Potential of SrWO ₄ Microstructures	Mr. Shamshe Shaik (Ph.D. Student)
16:45	Microwave assisted fabrication of cerium oxide nanoparticles for biomedical applications	Ms. Soyeon Won (YNU, Ph.D. student)