

# EPM3 – Program

Tuesday 15.05.2018	Wednesday 16.05.2018	Thursday 17.05.2018	Friday 18.05.2018	Saturday 19.05.2018
	9:00 <b>PL</b> Jiaguo Yu “Direct Z-scheme Semiconductor Photocatalyst”	9.00 <b>PL</b> Hiromi Yamashita “Design of Photocatalysts Using Nanoporous Materials: Semiconductor, Single-Site, Metal Complex, Plasmonic Photocatalysts”	9.00 <b>PL</b> Paolo Fornasiero “Smart Nanocatalysts: Opportunities and Challenges”	9.00 <b>PL</b> Bunsho Ohtani “Multielectron Oxygen Reduction in Photocatalytic Organics Decomposition by Metal-Oxide Particles”
	9:45 <b>KL</b> Mietek Jaroniec „Tailoring Porosity and Crystallinity in Carbon/Graphene-supported Inorganic Photocatalysts”	9.45 <b>KL</b> Jose Carlos Conesa „Sulphide-supported Enzymes Photocatalyze H <sub>2</sub> and O <sub>2</sub> Evolution from Water”	9.45 <b>KL</b> Shaowen Cao “Engineering Electron Transfer Channels Towards Enhanced Photocatalysis”	9.45 <b>KL</b> Giuseppe Marci “Heterogeneous Photocatalysis for Selective Partial Oxidation Reactions in Aqueous Suspensions”
	10:15 <b>IL</b> Stefan Lochbrunner „Initial Steps in Photocatalysis as Revealed by Time-Resolved Spectroscopy”	10.15 <b>IL</b> Zhaohui Li “Light Induced Organic Transformations over Metal-Organic Frameworks”	10.15 <b>IL</b> Xintong Zhang “Revisiting TiO <sub>2</sub> /M <sub>x</sub> O <sub>y</sub> Photocatalyst as Photothermocatalyst”	10.15 <b>IL</b> Oliver Diwald “Traps and Interfaces in Photocatalysis: Model Studies on Metal Oxide Nanoparticle Systems”
	10.35 <b>O</b> Huogen Yu “Suspensible Cubic-Phase CdS Nanocrystal Photocatalyst: Facile Synthesis and Highly Efficient H <sub>2</sub> -Evolution Performance in a Sulfur-Rich System”	10.35 <b>O</b> Izabela Nowak “Photocatalysis by mesoporous mixed oxides containing niobium, vanadium or tin”	10.35 <b>O</b> Magdalena Skompska “Synthesis and Characterization of FTO/TiO <sub>2</sub> /SrTiO <sub>3</sub> (SrSiO <sub>3</sub> ) Composite of Excellent Adsorption of Methylene Blue and High Photocatalytic Activity”	10.35 <b>IL</b> Jan Hupka “Design of Photocatalytic Reactors for Degradation of Organic Pollutants”
	10:50-11.15 <b>COFFEE BREAK</b>	10:50-11.15 <b>COFFEE BREAK</b>	10:50-11.15 <b>COFFEE BREAK</b>	10.55 <b>O</b> Xuehua Yan “Graphitic Carbon Nitride Based Composites for Organic Dye Decomposition”
	11.15 <b>KL</b> Masakazu Anpo “Research Progress at the “Research Institute of Photocatalysis” and Current Development of Visible Light-Responsive Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> ) and Hexagonal Boron Carbon Nitride (BCN) Photocatalysts”	11.15 <b>KL</b> Chuanyi Wang “Structural Modulation and Surface Chemistry in Photocatalysis”	11.15 <b>KL</b> Roberto Gómez “An Approach To Water Splitting Based on Metal Oxide Electrodes and Polymer Electrolyte Membranes”	11:10-11.30 <b>COFFEE BREAK</b>

	11.45 <b>KL</b> Ladislav Kavan “Engineering of Conduction Band Maximum in Oxide Semiconductors: Challenge for Photocatalysis, Solar Fuel and Perovskite Photovoltaics”	11.45 <b>IL</b> Tsuyoshi Ochiai “Effective Design for Environmental and Medical Application of Photocatalysts and Boron-doped Diamond (BDD) Electrodes”	11.45 <b>IL</b> Ying Yu “Copper and Copper Oxide Based Materials for Energy Conversion”	11.30 <b>IL</b> Csaba Janaky “Lead Halide Perovskite Films as Photoelectrodes”
	12.15 <b>IL</b> Quanjun Xiang “Enhanced Photocatalytic H <sub>2</sub> -Production Activity of C-dots Modified g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> Nanosheets Composites”	12.05 <b>IL</b> Michael Wark “Effects of Non-Stoichiometric Mixed Metal Oxides on the Photocatalytic Hydrogen Production”	12.05 <b>IL</b> Jan Augustyński “Some Recent Advances in Visible Light-Driven Photo(Electro)Chemical Hydrogen Production Using N-Type WO <sub>3</sub> Photo-Anodes”	11.50 <b>IL</b> Juan Carlos Colmenares “Wastewater Treatment and Selective Redox Photocatalysis through Continuous Microflow Reactors”
	12.35 <b>O</b> Xin Li “Multi-functional Ni <sub>3</sub> C Cocatalyst/ g-C <sub>3</sub> N <sub>4</sub> Nanoheterojunctions for Robust Photocatalytic H <sub>2</sub> Evolution under Visible Light”	12.25 <b>O</b> Byeong-Kyu Lee “Importance of Hydrothermal Time on Structural, Morphological, Optical and Photoelectrochemical Properties of Nanoplates Tungsten Oxide Films”	12.25 <b>O</b> Jose Manuel Orts “Computational Screening of Ternary Semiconducting Oxides for Direct Photoelectrochemical Water Splitting”	12.10 <b>O</b> Grzegorz Sulka “Anodic Metal Oxides for Photoelectrochemical and Photocatalytic Applications”
		12.40 <b>O</b> Steven Chuang “Photoelectrochemical Production of H <sub>2</sub> from Biomass: An in situ Infrared Study”	12.40 <b>O</b> Jingxiang Low “TiO <sub>2</sub> /MXene Ti <sub>3</sub> C <sub>2</sub> Composite with Excellent Photocatalytic CO <sub>2</sub> Reduction Activity”	12.25 <b>O</b> Hanna Sopha “Enhanced Photocatalytic Efficiency of Self-Organized TiO <sub>2</sub> Nanotube Layers due to Secondary Materials”
	12:50 LUNCH	12:55 LUNCH	12:55 LUNCH	12.40 <b>O</b> Yongchun Zhao “CO <sub>2</sub> Photocatalytic Reduction over Facet Engineered TiO <sub>2</sub> Nanocrystals”
12.00 REGISTRATION	14.30 <b>PL</b> Detlef Bahnemann “Understanding the Chemistry of Photocatalytic Processes”	14.30 <b>PL</b> Gianfranco Pacchioni “Mixing CeO <sub>2</sub> with ZrO <sub>2</sub> or ZnO for Photocatalysis: Doping versus Heterostructures”	14.30 <b>PL</b> Yaron Paz “Transient Phenomena in Photocatalysis, as Studied by Ultrafast FTIR Measurements”	12.55 <b>O</b> Dana Perniu “VIS-active Photocatalytic Thin Films Based on CZTS/TiO <sub>2</sub> Heterostructures for Advanced Wastewater Treatment”
	15.15 <b>KL</b> Jinlong Zhang “Modifications of Porous Ti-based Photocatalysts and Applied in CO <sub>2</sub> Photocatalytic Reduction towards Selective CH <sub>4</sub> Generation”	15.15 <b>KL</b> Elio Giamello “Charge Carriers Localization in Photocatalytic Systems. Cu-modified TiO <sub>2</sub> and ZrTiO <sub>4</sub> ”	15.15 <b>KL</b> Gongxuan Lu “NIR and Visible Light Driven Overall Water Splitting for Hydrogen Production over CdS/NaYF <sub>4</sub> :Yb <sup>3+</sup> -Er <sup>3+</sup> Photocatalysts”	13.10 <b>O</b> Anna Zielińska-Jurek “Design, Preparation and Characterization of Magnetic Photocatalyst”

	15.45 <b>IL</b> Yongfa Zhu “Enhanced Photocatalytic Performance via Surface Oxygen Vacancy”	15.45 <b>IL</b> Vlasta Brezova „Indirect EPR Techniques for the Detection of Reactive Radicals in the Photocatalytic Systems – Merits and Drawback”	15.45 <b>IL</b> Yuanzhi Li „Novel Photoactivation and UV-Vis-IR Driven Thermocatalysis on Nanostructured Manganese Oxide for Catalytic Purification of VOCs”	13.10 CLOSING CEREMONY
	16.05 <b>IL</b> Jacek Stolarczyk “All-in-one Photocatalytic Water Splitting on Semiconductor Nanocrystals”	16.05 <b>IL</b> Kangle LV “Fabrication of TiO <sub>2</sub> Hollow Microsphere with Surface Oxygen Vacancy for NO Oxidation under Visible Light Irradiation”	16.05 <b>IL</b> Valerie Keller-Spitzer “Hydrogen Production from Water on Au/g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> Nanocomposites via Photocatalytic Processes under Solar and Visible Light”	13.20 LUNCH
	16.25-17:00 COFFEE BREAK	17.00 Wieliczka Salt Mine visit (UNESCO heritage) & Conference Dinner	16.25-17:00 COFFEE BREAK	Jagiellonian University Museum visit & Kraków Tour
16.30 OPENING	17.00 <b>IL</b> Christos Trapalis “Exfoliation of g-C <sub>3</sub> N <sub>4</sub> for NO <sub>x</sub> Removal under Visible Light Irradiation”		17.00 <b>IL</b> Antoni Morawski “From Carbon to Graphene Modification of TiO <sub>2</sub> Photocatalysts”	
16.45 <b>OL</b> Horst Kisch “Semiconductor Photocatalysis – Today and Tomorrow”	17.20 <b>IL</b> Liuyang Zhang “Surface Modification of g-C <sub>3</sub> N <sub>4</sub> for Photocatalytic Hydrogen Evolution”		17.20 <b>IL</b> Oksana Linnik “Nitrogen and Metal Ions Codoped Titania Films as Versatile Ecological Photocatalysts”	
	17.40 <b>IL</b> Ewa Kowalska “New Insights into Activity of Titania P25”		17.40 <b>IL</b> Kezhen Qi “Enhancing the Photocatalytic Water Splitting of Anatase-TiO <sub>2</sub> Nanosheets by Organic Ligand Modification”	
17.30 <b>OL</b> Wiesław Gruszecki “Regulation of Light Harvesting in Plant Photosynthesis”	18.00 <b>IL</b> Rengaraj Selvaraj “Metal Free Graphitic Like Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> ) Materials: An Effective Visible Light Active Photocatalyst for the Degradation of Pharmaceuticals Present in Wastewater”		18.00 <b>O</b> Joanna Kuncewicz „Density of Intrinsic and Introduced Electronic States in Doped Semiconductors – Spectroelectrochemical Approach”	
				OL – Opening lecture PL – Plenary lecture KL – Keynote lecture IL – Invited lecture SL – Sponsor lecture O – Oral communication BC – Brief communications

	18.20 <b>SL</b> Zbigniew Karkuszewski “Live Demonstration of Light Intensity Induced Photocurrent Switching (LIIPS)”		18.15 <b>O</b> Beata Tryba “Influence of TiO <sub>2</sub> Structure and Anionic Doping on Its Photocatalytic Activity Towards Acetaldehyde Decomposition”	
18.15 <b>IL</b> Ling Wu “Highly Efficient Photocatalytic Synthesis of Fine Chemicals over the Monolayer Transition Metal Nanosheet”	18.45 <b>BC</b>		18.30 <b>O</b> Enzhou Liu „Red Phosphorus Based Heterojunctions with Excellent Photocatalytic Activity”	
18.35 WELCOME RECEPTION	19.30 Poster Session Food, Beer & Wine		18.45 <b>BC</b>	
			19.30 Poster Session Food, Beer & Wine	