



## POSTER-PRESENTATION

### SESSION POLYMER CHEMISTRY

<b>PC1</b>	Haleema	<b>Alamri</b>	PHOSPHAZENE-CATALYZED RING-OPENING POLYMERIZATION OF $\epsilon$ -CAPROLACTONE AND EPOXIDE
<b>PC2</b>	Reem	<b>Alshumrani</b>	SYNTHESIS OF AEA AND AEB TRI-BLOCK CO (TER) POLYMERS WITH POLYETHYLENE BLOCK IN THE MIDDLE
<b>PC3</b>	Stephan	<b>Benedikt</b>	WATER SOLUBLE VISIBLE LIGHT PHOTOINITIATORS: Li-TPO AS HIGHLY REACTIVE AND SOLUBLE COMPOUND WITH EXTRAORDINARY STABILITY
<b>PC4</b>	Michal	<b>Bláha</b>	THE OXIDATION OF ANILINE WITH INORGANIC OXIDANTS IN ENVIRONMENT OF DIFFERENT ACIDITY
<b>PC5</b>	Patrycja	<b>Bober</b>	ELECTRICAL AND MAGNETIC PROPERTIES OF COLLOIDAL DISPERSIONS BASED ON POLYANILINE-IRON OXIDE NANOPARTICLES
<b>PC6</b>	Bettina	<b>Grumm</b>	POST-POLYMERIZATION FUNCTIONALIZATION OF UNSATURATED POLYMERS BY INVERSE ELECTRON DEMAND DIELS-ALDER REACTION (IEDDA)
<b>PC7</b>	Andreas	<b>Kreuzer</b>	COMPARISON OF ETHYLENE POLYMERIZATIONS WITH ZIEGLER-NATTA CATALYSTS CONTAINING AMPORPHOUS SUPPORT MATERIAL
<b>PC8</b>	Eldin	<b>Redzic</b>	CHARACTERIZATION OF A $MgCl_2$ BASED ZIEGLER-NATTA POLYETHYLENE CATALYST USING X-RAY, SEM, TEM AND IR



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### SESSION POLYMER CHARACTERIZATION

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| PA1  | Wolfgang | <b>Buchberger</b>  | APPROACHES FOR THE ANALYSIS OF ADDITIVES IN PLASTIC MATERIALS   |
| PA2  | Anna     | <b>Chovancová</b>  | SEC CHARACTERIZATION FOR POLYACRYLIC ACID, POLYACRYLAMIDE AND THEIR COPOLYMERS  |
| PA3  | Kateřina | <b>Hařkovicová</b> | EQUILIBRIUM SORPTION OF LOW MOLECULAR WEIGHT PENETRANTS IN POLYETHYLENE: EXPERIMENTAL STUDY AND PC-SAFT SIMULATIONS                 |
| PA4  | Rudolf   | <b>Hařlacher</b>   | INTERACTION OF THE PROPERTIES OF PDMS AND ITS COMPONENTS  |
| PA5  | Simon    | <b>Jantač</b>      | ELECTROSTATIC CHARGING OF POLYMER POWDERS   |
| PA6  | Florian  | <b>Kamleitner</b>  | SUCCESSIVE SELF-NUCLEATION AND ANNEALING AS SMART TOOL FOR CHARACTERIZATION OF CHEMICAL- AND MECHANICAL MODIFIED POLYPROPYLENES     |
| PA7  | Leila    | <b>Maringer</b>    | CHARACTERIZATION OF POLYMER AGING USING THE POLYPROPYLENE-MIMICKING SOLVENT SQUALANE WITH HPLC COUPLED TO FLUORESCENCE DETECTION    |
| PA8  | Sandrine | <b>Olivier</b>     | AN INVESTIGATION INTO THE EFFECTS OF AGING ON AUTOMOTIVE BUMPER SAMPLES BY XYLENE SOLUBLE FLOW INJECTION POLYMER ANALYSIS (XS-FIPA) |
| PA9  | Patrik   | <b>Schneider</b>   | FREE AND CONSTRAINED AMORPHOUS PHASES IN POLYETHYLENE AND POLYMER SORPTION STUDY INTERPRETATED BY TIME-DOMAIN NMR                   |
| PA10 | Lisa     | <b>Uiberlacker</b> | MICROSCALE STRUCTURES AND MECHANICAL PROPERTIES OF RUBBER-MODIFIED EPOXY RESINS   |



**DVS** POLYMER  
MEETING

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### SESSION POLYMER CONVERSION

<b>PO1</b>	Tomáš	<b>Chaloupka</b>	DYNAMIC MODEL FOR ON-LINE CONTROL OF 4-MONOMER SEMI-BATCH EMULSION COPOLYMERIZATION
<b>PO2</b>	Zefeng	<b>Huang</b>	WETTING BEHAVIOUR OF HDPE AND PA 6.6 ON COATED AND UNCOATED TOOL STEEL SURFACES AT PROCESSING TEMPERATURE
<b>PO3</b>	Balázs	<b>Kirschweng</b>	HYDROLYTIC DEGRADATION OF POLY(3-HYDROXYBUTYRATE) FILMS: MECHANISM AND KINETICS
<b>PO4</b>	Juraj	<b>Kosek</b>	MICROCELLULAR POLYSTYRENE FOAMING – NUCLEATION VS SPINODAL DECOMPOSITION
<b>PO5</b>	Juraj	<b>Kosek</b>	EVOLUTION OF POLYURETHANE MORPHOLOGY DURING FOAMING
<b>PO6</b>	Sophie	<b>Pachner</b>	OUTPUT- PRESSURE CHARACTERISTICS OF SINGLE SCREW EXTRUDERS
<b>PO7</b>	Clay	<b>Dale C.</b>	FOAM INJECTION MOLDING USING TELEDYNE ISCO SYRINGE PUMPS



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### SESSION POLYMERS & SUSTAINABILITY

<b>PS1</b>	Andreas	<b>Hofecker</b>	SYNTHESIS AND CHARACTERIZATION OF MODIFIED STARCHES FOR PHARMACEUTICAL APPLICATIONS
<b>PS2</b>	Klaus	<b>Holzhaider</b>	RENEWABLE ENERGY SCENARIOS AND POTENTIALS FOR PLASTICS IN SOLAR THERMAL AND PHOTOVOLTAIC SYSTEMS
<b>PS3</b>	Harald	<b>Kicker</b>	POLYMERIC MATERIALS FOR SOLAR-THERMAL COLLECTORS – COMPREHENSIVE EVALUATION OF POLYMER BASED DESIGN CONCEPTS USING THE CES SELECTOR™
<b>PS4</b>	Christine	<b>Klein</b>	SUSTAINABLE BIOSYNTHESIS OF POLYHYDROXYALKANOATES BY A HALOPHILIC BACTERIUM
<b>PS5</b>	Reinhold W.	<b>Lang</b>	POLYMERIC MATERIALS – THE KEY MATERIALS FOR SUSTAINABLE DEVELOPMENT TECHNOLOGIES
<b>PS6</b>	Martina	<b>Prambauer</b>	STRUCTURAL PAPER-REINFORCED POLYPROPYLENE LAMINATES
<b>PS7</b>	Simone	<b>Strasser</b>	ATTEMPTS IN HIGHER VALUE ADDING TO LIGNIN