



**INTERNATIONAL SYMPOSIUM ON POLYMER
ANALYSIS AND CHARACTERIZATION**

11. June 2017 – 14. June 2017

PROGRAM

Sunday, June 11, 2017

Workshop

ROOM 1

08:15-9:00	Registration and Opening		
09:00-10:30	Stepan Podzimek		DETERMINATION OF MOLAR MASS DISTRIBUTION AND BRANCHING OF SYNTHETIC AND NATURAL POLYMERS USING SEPARATION TECHNIQUES WITH ADVANCED DETECTION
10:30-11:00	Coffee Break		
11:00-12:30	Clemens Schwarzwinger		ADVANCED MASS SPECTROMETRY OF POLYMERS
12:30-13:30	Lunch Break		
13:30-15:00	Antje Potthast		ANALYZING LIGNOCELLULOSIC BIOPOLYMERS-CHALLENGES, REQUIREMENTS AND (SOME) SOLUTIONS
15:00-16:30	Andreas Schoenhals		BROADBAND DIELECTRIC SPECTROSCOPY AS A COMPLEMENTARY ANALYTICAL TOOL TO CHARACTERIZE POLYMER SYSTEMS
16:30-17:00	Coffee Break		
17:00-18:30	Manfred Wilhelm		RHEOLOGY: FROM THE BASICS UP TO COMPLEX POLYMERS
19:00-	Welcoming		

Monday, June 12, 2017

ROOM 1

08:15-09:00

Opening

09:00-09:30

J. Soares

P1 (Chair: H. Pasch)

HT-TGIC OR TREF-GPC CROSS-FRACTIONATION TO ESTABLISH STRUCTURE-PROPERTY RELATIONSHIPS FOR POLYOLEFINS (TENTATIVE)

09:30-10:00

N. Hadjichristidis

P2 (Chair: H. Pasch)

POLYETHYLENE-BASED COMPLEX MACROMOLECULAR ARCHITECTURE: A CHALLENGE FOR POLYMER ANALYSIS AND CHARACTERIZATION

10:00-10:30

Discussion

10:30-10:50

Coffee Break

10:50-11:10

P. Bradler

O1 (Chair: D. Tranchida)

EFFECT OF POLYMER DESIGN PARAMETERS ON THE FATIGUE CRACK GROWTH BEHAVIOR OF POLYETHYLENE-PART I: EFFECT OF SPECIMEN CONFIGURATION

11:10-11:30

J. Fischer

O2 (Chair: D. Tranchida)

EFFECT OF POLYMER DESIGN PARAMETERS ON THE FATIGUE CRACK GROWTH BEHAVIOR OF POLYETHYLENE-PART II: EFFECT OF TEMPERATURE AND ENVIRONMENTAL MEDIUM

11:30-11:50

R. Chitta

O3 (Chair: D. Tranchida)

SELECTIVE EXPERIMENTAL PARAMETERS FOR TREF OF PROPYLENE-ETHYLENE RANDOM COPOLYMERS: LIMITING UNDERCOOLING

11:50-12:10

A. Ortin

O4 (Chair: D. Tranchida)

UNDERSTANDING TRADE-OFFS IN OPTIMIZED METHODS FOR NOVEL AUTOMATED POLYOLEFIN PRODUCTION QC INSTRUMENTATION

12:10-12:30

E. Pomakhina

O5 (Chair: D. Tranchida)

QUANTIFICATION OF COMONOMER CONTENT AND COMONOMER DISTRIBUTION ALONG THE CHAIN IN POLY(ETHYLENE-CO-1-BUTENE-CO-1-HEXENE) TERPOLYMER AND REACTOR BLEND BY MELT-STATE ¹³C NMR SPECTROSCOPY

12:30-13:30

Lunch Break

Monday, June 12, 2017

ROOM 1			
13:30-14:00	P. Mischnick	P3 (Chair: N. Hadjichristidis)	ANALYSIS OF SUBSTITUENT DISTRIBUTION PROFILES IN VARIOUS TYPES OF GLYCAN ETHERS
14:00-14:30	K. Saalwächter	P4 (Chair: N. Hadjichristidis)	MOLECULAR RHEOLOGY ON PERMANENT AND TRANSIENT ELASTOMERS: NMR INVESTIGATIONS OF NETWORK CHAIN LENGTH, ORIENTATION AND DYNAMICS
14:30-15:00	Y. Liu	P5 (Chair: N. Hadjichristidis)	PHASE DIAGRAM OF AQUEOUS TWO-PHASE SYSTEM OF DEXTRAN AND POLY(ETHYLENE GLYCOL)
15:30-16:00	Discussion		
15:30-16:00	Coffee Break		
16:00-16:20	J. Kastner	O11 (Chair: V. Barroso)	HIGH RESOLUTION X-RAY COMPUTED TOMOGRAPHY FOR NON-DESTRUCTIVE CHARACTERIZATION AND IN-SITU INVESTIGATIONS OF FIBER REINFORCED POLYMERS
16:20-16:40	T. Macko	O12 (Chair: V. Barroso)	SEPARATION OF AMORPHOUS AND SEMICRYSTALLINE AS WELL AS NON-POLAR AND POLAR POLYOLEFINS WITH INTERACTIVE LIQUID CHROMATOGRAPHY
16:40-17:00	M. Mauri	O13 (Chair: V. Barroso)	MORPHOLOGY AND MECHANICAL PROPERTIES OF THIN MULTI-LAYERED POLYETHYLENE/POLYPROPYLENE FILMS UNDERGOING THERMAL AGEING
17:00-17:20	C. Burgstaller	O14 (Chair: V. Barroso)	ASSESSING INTERFACIAL SHEAR STRENGTH OF THE INTERFACE IN POLYPROPYLENE BASED FIBRE REINFORCED COMPOSITES
17:20-17:40	K. N. Prabhu	O15 (Chair: V. Barroso)	MOLECULAR CHARACTERIZATION OF FUNCTIONALIZED POLYOLEFINS
17:45-	Poster Session + Buffet		

Monday, June 12, 2017

ROOM 2

10:30-10:50	Coffee Break		
10:50-11:10	H. N. Cheng	O6 (Chair: A. Potthast)	MODIFICATIONS AND CHARACTERIZATION OF PROTEINS AS ADHESIVES
11:10-11:30	A. Lederer	O7 (Chair: A. Potthast)	UNDERSTANDING CASEIN ASSEMBLY BY FIELD FLOW FRACTIONATION AND RELATED METHODS
11:30-11:50	G. Heinzmann	O8 (Chair: A. Potthast)	COMPREHENSIVE CHARACTERIZATION OF NATURAL RUBBER SAMPLES USING THERMAL FIELD-FLOW FRACTIONATION (TF3) COUPLED WITH ONLINE MULTI-ANGLE LIGHT SCATTERING DETECTION (MALS), VISCOSITY DETECTION AND EVAPORATIVE LIGHT SCATTERING DETECTION (ELSD) – MAXIMIZING THE AMOUNT OF INFORMATION FROM A SINGLE SEPARATION EXPERIMENT
11:50-12:10	J. P. Quinones	O9 (Chair: A. Potthast)	NOVEL SELF-ASSEMBLED STEROID-SILK FIBROIN PARTICLES FOR DELIVERY OF AGROCHEMICALS AND DIOSGENIN
12:10-12:30	M. Soll	O10 (Chair: A. Potthast)	NEW PYROLYSIS-GC/MS SYSTEM INCORPORATED WITH ON-LINE MICRO-UV IRRADIATION FOR RAPID EVALUATION OF PHOTO, THERMAL, AND OXIDATIVE DEGRADATION OF POLYMERS: STUDIES ON EPDM AND HIPS
12:30-13:30	Lunch Break		

Monday, June 12, 2017

ROOM 2

15:30-16:00	Coffee Break		
16:00-16:20	G. J. Vancso	O16 (Chair: P Mischnick)	ISOELECTRIC POINT CHARACTERIZATION OF PROTEINS BY ATOMIC FORCE MICROSCOPY
16:20-16:40	S. Hashim	O17 (Chair: P Mischnick)	CHEMICAL AND THERMAL CHARACTERIZATIONS OF RESOLE & NOVOLAC BIO-PHENOLIC RESINS FROM OIL PALM EMPTY FRUIT BUNCH FIBER
16:40-17:00	F. Meier	O18 (Chair: P Mischnick)	POLY(LACTIC-CO-GLYCOLIC ACID) NANOPARTICLES IN CELL MEDIA USED AS BIOCOMPATIBLE SUBSTRATES IN PHARMACEUTICAL APPLICATIONS: COMPREHENSIVE CHARACTERIZATION WITH CENTRIFUGAL FIELD-FLOW FRACTIONATION (CF3) COUPLED WITH ONLINE DYNAMIC LIGHT SCATTERING (DLS)
17:00-17:20	L. M. Bravo-Anaya	O19 (Chair: P Mischnick)	SUPRAMOLECULAR ORGANIZATION IN CALF-THYMUS DNA SOLUTIONS UNDER FLOW IN DEPENDENCE WITH DNA CONCENTRATION
17:20-17:40	B. Pukánszky	O20 (Chair: P Mischnick)	QUANTITATIVE METHODS FOR THE CHARACTERIZATION OF THE DEGRADATION AND RELEASE KINETICS OF AMORPHOUS POLY(3-HYDROXYBUTYRATE)
17:45-	Poster Session + Buffet		

Tuesday, June 13, 2017

ROOM 1

08:30-09:00	A. Pourrahimi	P6 (Chair: C. Schwarzinger)	NOVEL POLYETHYLENE-BASED NANOCOMPOSITE MATERIALS FOR HVDC CABLE INSULATION
09:00-09:30	M. Wilhelm	P7 (Chair: C. Schwarzinger)	LOW-FIELD RHEONMR: A PORTABLE 1H TD-NMR UNIT FOR SHEAR RHEOMETERS AND ITS APPLICATION TO QUIESCENT AND FLOWINDUCED CRYSTALLIZATION OF POLYOLEFINS
09:30-10:00	S. Bauer	P8 (Chair: C. Schwarzinger)	SOFT DEVICES: PERSPECTIVES
10:00-10:30	Discussion		
10:30-10:50	Coffee Break		
10:50-11:10	W. Rungswang	O21 (Chair: K. Saalwächter)	ROLE OF ETHYLENE-PROPYLENE COPOLYMER ON MECHANICAL PROPERTY, CRYSTALLIZATION AND PHASE-SEPARATION OF IMPACT RESISTANT POLYPROPYLENE COPOLYMER
11:10-11:30	V. Touloupidis	O22 (Chair: K. Saalwächter)	REACTION PERFORMANCE CHARACTERIZATION OF SINGLE- AND MULTI-SITE TYPE CATALYSTS: ESTIMATION OF KINETIC PARAMETERS BASED ON BENCH-SCALE POLYMERIZATION EXPERIMENTS
11:30-11:50	D. Tranchida	O23 (Chair: K. Saalwächter)	A UNIVERSAL APPROACH FOR SUCCESSIVE SELF NUCLEATION AND ANNEALING (SSA) TESTS ON POLYPROPYLENE
11:50-12:10	R. Watanabe	O24 (Chair: K. Saalwächter)	STUDY ON DEFORMATION BEHAVIORS OF AMORPHOUS AND CRYSTALLINE COMPONENTS IN POLYPROPYLENE NANOCOMPOSITES DURING TENSILE TEST USING RHEO-OPTICAL NEAR-INFRARED SPECTROSCOPY
12:10-12:30	Z. Zhang	O25 (Chair: K. Saalwächter)	RECENT ADVANCES IN POLYOLEFIN CHARACTERIZATION WITH FRACTIONATION TECHNIQUES
12:30-13:30	Lunch Break Agilent Lunch Lecture		

Tuesday, June 13, 2017

ROOM 1

13:30-14:00	C. Wesdemiotis	P9 (Chair: J. Soares)	MULTIDIMENSIONAL MASS SPECTROMETRY METHODS FOR THE ANALYSIS OF SYNTHETIC POLYMERS AND ADVANCED MATERIALS
14:00-14:30	A. Schönhals	P10 (Chair: J. Soares)	POLYMER BASED NANOCOMPOSITES – INTERPLAY BETWEEN INTERFACIAL AND BULK EFFECTS
14:30-15:00	R. Simonutti	P11 (Chair: J. Soares)	SOLID STATE NMR AT HIGH AND LOW FIELD FOR POLYMER CHARACTERIZATION
15:00-15:30	Discussion		
15:30-16:00	Coffee Break		
16:00-16:20	V. Barroso	O31 (Chair: W. Reed)	RHEOLOGICAL METHODS FOR THE CHARACTERISATION OF VISCOELASTICITY IN INDUSTRIAL POLYMERS
16:20-16:40	J. Brandt	O32 (Chair: W. Reed)	TEMPERATURE DEPENDENT SIZE EXCLUSION CHROMATOGRAPHY FOR THE IN SITU INVESTIGATION OF THERMOREVERSIBLY BONDING POLYMERS
16:40-17:00	N. Dadivanyan	O33 (Chair: W. Reed)	IN SITU TENSILE TESTING: APPLICATION OF A TENSILE STAGE ON A LABORATORY X-RAY DIFFRACTION SYSTEM
17:00-17:20	Y. Aoyagi	O52 (Chair: W. Reed)	CHARACTERIZATION OF THE AGING PROCESS OF CURED EPDM USING INVERSE LAPLACE TRANSFORMATION OF NMR
17:20-17:40	A. Fuchs	O35 (Chair: W. Reed)	INVESTIGATION OF AUTOMATED SAMPLE PREPARATION TECHNIQUES FOR THE QUANTITATION OF ANTIOXIDANTS IN POLYOLEFINS
19:00-	Galadinner		

Tuesday, June 13, 2017

ROOM 2

10:30-10:50	Coffee Break		
10:50-11:10	Y. M. Lam	O26 (Chair: T. Chang)	ELUCIDATING CRYSTALLIZATION BEHAVIOR OF ORGANIC SEMICONDUCTORS USING X-RAY TECHNIQUES
11:10-11:30	D. Martella	O28 (Chair: T. Chang)	LIGHT-RESPONSIVE MICRO-ROBOTS: 3D PRINTING AND CHARACTERIZATION OF LIQUID CRYSTALLINE MICROSTRUCTURES
11:30-11:50	C. Boothroyd	O27 (Chair: T. Chang)	IMAGING ORGANIC SOLAR CELL POLYMERS USING NOVEL TEM TECHNIQUES
11:50-12:10	R. Rohini	O29 (Chair: T. Chang)	SIGNIFICANCE OF INTERFACIAL DESIGN ON HIGH PERFORMANCE OF CARBON FIBER COMPOSITE FOR ELECTROMAGNETIC SHIELDING APPLICATION
12:10-12:30	S. Ugur	O30 (Chair: T. Chang)	STUDY OF FILM FORMATION FROM PS LATEX/MAGNETIC NANOPARTICLE COMPOSITES USING PHOTON TRANSMISSION TECHNIQUE
12:30-13:30	Lunch Break		

Tuesday, June 13, 2017

ROOM 2

15:30-16:00	Coffee Break		
16:00-16:20	E. Uliyanchenko	O36 (Chair: W. Hiller)	POLYMER CHARACTERIZATION BY HIGH-RESOLUTION MALDI-TOF MS AND MALDI-TOF MS COUPLED WITH LIQUID CHROMATOGRAPHY
16:20-16:40	P. Kilz	O37 (Chair: W. Hiller)	MULTIDIMENSIONAL LIQUID CHROMATOGRAPHY COUPLED TO A MASS SPECTROMETER - AN INTELLIGENT DETECTOR FOR TWO DIMENSIONAL LIQUID CHROMATOGRAPHY OF POLYMERS
16:40-17:00	T. Kakiuchi	O38 (Chair: W. Hiller)	END GROUP CHARACTERIZATION OF MODIFIED POLYETHYLENE BY HYPHENATED HIGH RESOLUTION MASS SPECTROMETRIC TECHNIQUES
17:00-17:20	H. Joensson	O39 (Chair: W. Hiller)	ANALYTICAL PYROLYSIS, ANOTHER POWERFUL TOOL FOR ANALYZING POLYMERS
17:20-17:40	K. Gajos	O40 (Chair: W. Hiller)	POLYMER-ON-POLYMER STRUCTURES CREATED BY E-BEAM LITHOGRAPHIC RADIATION GRAFTING – IMAGING AND CHEMICAL SURFACE ANALYSIS BY TOF-SIMS
19:00-	Galadinner		

Wednesday, June 14, 2017

ROOM 1

08:30-09:00	T. Chang	P12 (Chair: G. J. Vancso)	CHARACTERIZATION OF LIVING CHAINS IN ATRP GROWN POLYSTYRENE
09:00-09:30	S. Armes	P13 (Chair: G. J. Vancso)	SMALL-ANGLE X-RAY SCATTERING (SAXS): A POWERFUL TOOL FOR CHARACTERIZING POLYMER COLLOIDS
09:30-10:00	W. Hiller	P14 (Chair: G. J. Vancso)	MOLAR MASS DISTRIBUTION OF BLOCK COPOLYMERS DETERMINED BY LCCC-, SEC- AND FFF-NMR
10:00-10:30	Discussion		
10:30-10:50	Coffee Break		
10:50-11:10	W.F. Reed	O41 (Chair: H. N. Cheng)	AUTOMATIC CONTROL OF FREE RADICAL POLYMERIZATION REACTIONS
11:10-11:30	A. Kaeppler	O42 (Chair: H. N. Cheng)	ANALYSIS OF ENVIRONMENTAL MICROPLASTICS BY VIBRATIONAL SPECTROSCOPY: IR, RAMAN OR BOTH?
11:30-11:50	N. R. Longieras	O43 (Chair: H. N. Cheng)	THIN-LAYER CHROMATOGRAPHY (TLC) AND TLC-RAMAN AS AN EFFECTIVE TOOL FOR POLYMER ADDITIVES DEFORMULATION
11:50-12:10	L. Maringer	O44 (Chair: H. N. Cheng)	ANALYTICAL APPROACHES TO POLYMER ADDITIVE ANALYSIS FROM A MACROSCOPIC TO A MICROSCOPIC SCALE
12:10-12:30	D. Roessner	O45 (Chair: H. N. Cheng)	UHPLC SEC COUPLED TO MULTI-ANGLE LIGHT SCATTERING (MSECMALS): FAST AND HIGH RESOLUTION POLYMER CHARACTERIZATION
12:30-13:30	Lunch Break		

Wednesday, June 14, 2017

ROOM 1

13:30-14:00	S. Venkatraman	P15 (Chair: H. Pasch)	CHARACTERIZATION OF BIODEGRADABLE POLYMERS: RELEVANCE TO MEDICAL APPLICATIONS
14:00-14:30	H. Jinnai	P16 (Chair: H. Pasch)	CHALLENGES FOR 3D IMAGING OF POLYMERIC NANOSTRUCTURES BY ELECTRON MICROSCOPY - TOWARDS LARGE VOLUME DYNAMICAL 3D IMAGING
14:30-14:50	Discussion		
14:50-15:20	Coffee Break		
15:20-15:40	J. C. J. F. Tacx	O51 (Chair: A. Fuchs)	LIGHTSCATTERING BEHAVIOR OF LONG CHAIN BRANCHED MOLECULES
15:40-16:00	S. Agostini	O53 (Chair: A. Fuchs)	CHARACTERISATION OF CHALLENGING POLYMERS BY ADVANCED MULTI-DETECTOR GPC OMNISEC SYSTEM
16:00-16:20	M. Dibyaranjan	O54 (Chair: A. Fuchs)	ENHANCING CHROMATOGRAPHIC RESOLUTION THROUGH NUMERICAL REVERSE CONVOLUTION
16:20-16:40	Closing Remarks & Prize Giving		

Wednesday, June 14, 2017

ROOM 2

10:30-10:50	Coffee Break		
10:50-11:10	A. Albrecht	O46 (Chair: A. Lederer)	COMPARING TGIC AND SGIC FOR ANALYSING THE CCD OF THE XYLENE SOLUBLE FRACTION IN HETEROPHASIC POLYPROPYLENE
11:10-11:30	P. Eselem-Bungu	O47 (Chair: A. Lederer)	PREPARATIVE MOLAR MASS FRACTIONATION (MMF) APPROACH FOR THE ANALYSIS OF BRANCHED POLYETHYLENE
11:30-11:50	Y. L. Fan	O48 (Chair: A. Lederer)	MAPPING THE DRUG DISTRIBUTION PREFERENCE IN HETEROGENIC MICROPARTICLES USING CONFOCAL RAMAN
11:50-12:10	G. Heinzmann	O49 (Chair: A. Lederer)	ASYMMETRIC FIELD-FLOW FRACTIONATION (AF4) COUPLED WITH MULTI-ANGLE LIGHT SCATTERING (MALS) AND SINGLE PARTICLE ICPMS: DETERMINATION OF NUMBER BASED PARTICLE SIZE DISTRIBUTION
12:10-12:30	G. Greyling	O50 (Chair: A. Lederer)	MULTIDETECTOR THERMAL FIELD-FLOW FRACTIONATION: A POWERFUL CHARACTERISATION PLATFORM FOR MACROMOLECULAR AND COLLOIDAL SYSTEMS
12:30-13:30	Lunch Break		

Wednesday, June 14, 2017

ROOM 2

14:50-15:20

Coffee Break

15:20-15:40

E. Uliyanchenko

O55 (Chair: G. Greyling)

CHARACTERIZATION OF ENGINEERING THERMOPLASTICS USING ULTRA-HIGH-PRESSURE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY

15:40-16:00

S. Anantawaraskul

O57 (Chair: G. Greyling)

SIMULTANEOUS DECONVOLUTION OF BIVARIATE MOLECULAR WEIGHT AND CHEMICAL COMPOSITION DISTRIBUTION OBTAINED FROM TREF×GPC CROSS-FRACTIONATION CHARACTERIZATION (CFC) OF ETHYLENE/1-OLEFIN COPOLYMERS

16:00-16:20

T. Pathaweeisariyakul

O58 (Chair: G. Greyling)

AN ALTERNATIVE METHOD TO QUANTIFY LONG CHAIN BRANCHING IN POLYETHYLENE BY GEL PERMEATION CHROMATOGRAPHY

16:20-16:40

Closing Remarks & Prize Giving

POSTER-PRESENTATION

P1 Georg	Kreisberger	RAPID DETERMINATION OF OLIGOMERIC HINDERED AMINE LIGHT STABILIZERS IN POLYMERIC MATERIALS
P2 Siripon	Anantawaraskul	INFLUENCE OF LONGEST ETHYLENE AND PROPYLENE SEQUENCES ON CRYSTALLIZATION ELUTION FRACTIONATION OF ETHYLENE/PROPYLENE COPOLYMERS
P3 Nonkululeko	Radebe	MULTIDIMENSIONAL ANALYSIS OF POLYMERS WITH FIELD-FLOW FRACTIONATION AND FOURIER TRANSFORM INFRARED SPECTROSCOPY
P4 James S.	Town	TANDEM GPC-MALDI-TOF-MS
P5 Masahiro	Hashimoto	JAPANESE LACQUER FILM ANALYSIS BY USING PYROLYSIS COMPREHENSIVE TWO-DIMENSIONAL GC (PY/GCXGC) AND HIGH-RESOLUTION TOFMS ELECTRON IONIZATION AND PHOTOIONIZATION
P6 Hiroaki	Sato	MOLECULAR CHARACTERIZATION OF NON-IONIC SURFACTANTS AND THEIR HYDRYSIS PRODUCTS USING HIGH RESOLUTION MALDI TOF MS COMBINED WITH KENDRRICK MASS DEFECT ANALYSIS
P7 Nacra N.	Naar	CHARACTERIZATION OF SUPRAMOLECULAR EMERALDINE-BASE
P8 Rani	Rohini	SIGNIFICANCE OF INTERFACIAL DESIGN ON HIGH PERFORMANCE OF CARBON FIBER COMPOSITE FOR ELECTRONMAGNETIC SHIELDING APPLICATION
P9 Xiu	Wang	MONTE CARLO STUDY AIMED AT INTERPRETATION OF CHROMATOGRAPHIC RESULTS OF FUNCTIONALIZED POLYMERS
P10 Hagihara	Hideaki	DEGRADATION ASESSMENT OF ETHYLENE VINYL ACETATE ENCAPSULANT IN CRYSTALLINE SILICON PHOTOVOLTAIC MODULE USING POSITRON ANNIHILATION LIFETIME SPECTROSCOPY

POSTER-PRESENTATION

P11 Gerhard	Hubner	CHARACTERIZATION OF UNSATURATIONS IN POLYOLEFINS BY ¹ H SOLUTION NMR SPECTROSCOPY
P12 Nicolas	Longieras	REACH POLYMER STATUS AND DN/DC VARIATION OF OLIGOMERS
P13 Dierk	Roessner	NEW GENERATION OF ONLINE VISCOMETER FOR DETAILED CHARACTERIZATION OF POLYMER
P14 Mitsui	Suga	NANOMETER LEVEL THREE-DIMENSIONAL STRUCTURES OF BLOCK COPOLYMER FOR LARGE VOLUME USING SCANNING ELECTRON MICROSCOPY
P15 Rui	Goncalves	EFFECT OF ADDITIVES ON THE ALKYL CHAIN STABILITY IN THE LAMELLAR BILAYER STRUCTURE OF A DOUBLE TAIL CATIONIC SURFACTANT
P16 Flóra D.	Horváth	A SIMPLE APPROACH TO CREATE CHEMICAL MODEL STRUCTURES FOR LIGNOSULFONATE
P17 Marco	Mattonai	ANALYTICAL PYROLYSIS WITH IN-SITU DERIVATISATION; PY(HMDS)-GC/MS OF CONDENSED AND HYDROLYSABLE TANNINS: A FLEXIBLE CHARACTERIZATION TECHNIQUE
P18 Wesley S.	Farrell	CONTROLLED SYNTHESIS AND GPC STUDIES OF SHORT-CHAIN BRANCHED POLYETHYLENE PREPARED VIA RING-OPENING METATHESIS POLYMERIZATION
P19 Soheyl	Khajehpour-Tadavani	THERMAL ANALYSIS OF HIGH DENSITY POLYETHYLENE FILMS CONTAINING OXO-BIODEGRADABLE ADDITIVE AFTER UVC EXPOSURE: DSC STEPWISE FRACTIONATION
P20 Taihyun	Chang	SYNTHESIS AND CHARACTERIZATION OF AN EXACT POLYSTYRENE-GRAFT-POLYISOPRENE: A FAILURE OF SIZE EXCLUSION CHROMATOGRAPHY ANALYSIS

POSTER-PRESENTATION

P21 Paul	Eselem Bungu	PREPARATIVE FRACTIONATION APPROACH FOR BRANCHED POLYETHYLENE ANALYSIS
P22 Michal	Bláha	SPECTROSCOPIC INVESTIGATION OF POLYPHENYLENEDIAMINES: LADDER-LIKE AND POLYANILINE-LIKE STRUCTURES
P23 Shuzhou	Li	USING ATTRACTIVE MOLECULAR INTERACTIONS BETWEEN POLYMERIC CHAINS FUNCTIONALIZED ON NANOPARTICLE SURFACES TO PREDICT SUPERCRYSTAL FORMATION
P24 Adriane G.	Simanke	PROGRESS IN UNDERSTANDING THE MORPHOLOGY AND MICROSTRUCTURE OF RUBBER PHASE IN POLYPROPYLENE IMPACT COPOLYMERS AND THEIR INFLUENCE ON THE FINAL PROPERTIES
P25 Martin	Geisler	CONTROLLABLE SUPRACOLLOIDAL GLUING OF NANOMATERIALS AT THE MACROSCALE
P26 Raffaele A.	Abbate	CHARACTERIZATION OF THE ENZYMIC CROSS-LINKING OF CASEINS BY MTGASE
P27 Andreas	Kreuzer	DEVELOPMENT OF NOVEL INKS FOR 3D-POLYJET PRINTING TECHNIQUE
P28 Alan	Brookes	THE USE OF HIGH TEMPERATURE EVAPORATIVE LIGHT SCATTERING DETECTION (LSD) FOR HIGHER SENSITIVE POLYOLEFIN ANALYSIS
P29 Hubertina M.	Fijns-Bruls	CHALLENGES IN SIZE EXCLUSION CHROMATOGRAPHY OF ENGINEERING PLASTICS IN HEXAFLUORISOPROPANOL

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