

ISPAC 2012 Scientific Lectures

	Schedule	Lecture #	Speaker	Short Title
Session 1 Monday 11 June	8:30-9:15	IL-1	P. Schoenmakers	Towards Hyperformance Polymer Separations
	9:15-10:00	IL-2	W. Reed	Recent Advances in Polymer Reaction Monitoring and Solution Characterization
	11:00-11:15	CL-1	M. Wilhelm	Online Coupling of Size Exclusion Chromatography and IR-Spectroscopy to Correlate Molecular Weight With Chemical Composition
	11:15-11:30	CL-2	A.J. van Reenen	Solution Crystallization Analysis By Laser Light Scattering
	11:30-11:45	CL-4	J. Tacx	Dissolution and Scattering Behavior of Polyethylenes in Dilute Solutions and Relations Between Molecular Parameters
	11:45-12:00	CL-5	S. Moyses	Application of 2D Chromatography to the Study of Complex Polymeric Systems
	12:00-12:15	CL-6	P. Kratochvil	Contraction Factors of Statistically Branched Polymers With Tetrafunctional Branch Points
Technical promotion	13:30-13:50	TP-1	B. Postma, Malvern	The Benefits of Moving From Single to Multi-Detector Size Exclusion Chromatography
Session 2 Monday 11 June	14:00-14:45	IL-3	J. Duvigneau	Polymer Nanocomposite Foams: Towards an increased thermal efficiency of buildings
	14:45-15:30	IL-4	R. Janssen	Polymer Solar Cells: Status and Challenges
	16:30-16:45 A	CL-7	M. Lira-Cantu	Combined Characterization Techniques to Understand the Stability of a Variety of Organic Photovoltaic Devices
	16:45-17:00 A	CL-8	D.G. Bucknall	Structure-Property Correlation Determination Using Complementary Characterization Techniques in Organic Photovoltaics
	17:00-17:15 A	CL-9	E. Mikayelyan	Electrical Properties and Organic Field Effect Transistor Performances of Poly(3-Alkylthiophene)S (P3AT)
	17:15-17:30 A	CL-10	H. Bock	Novel Polymerization and Characterization of Copolymers Using GPC Copolymer Analysis and 2-Dimensional Chromatography
	17:30-17:45 A	CL-11	O.A. Swader	Temperature Gradient Interaction Chromatography Analysis of Hypermacs – Architecturally Complex Hyperbranched Polymers
	17:45-18:00 A	CL-12	O. Czakkel	Characterization of the Gelation/Melting Dynamics of Temperature-Responsive Hydrogels
	18:00-18:15 A	CL-13	E. Vanderleyden	Surface Functionalized Titanium Scaffolds For Orthopaedic Application: Learning From Nature
	18:15-18:30 A	CL-14	H.B. Yildiz	Entrapment of Tyrosinase in a Redox Polymer
	16:30-16:45 B	CL-15	E. Cossoul	Characterization of Poly(Ether Ketone Ketone)S (PEKK)S Using Solution-State NMR and Mass Spectrometry
	16:45-17:00 B	CL-16	P. Kulinowski	Application of Spatially Resolved Magnetic Resonance Relaxometry For Assessment of Water Dynamics and Morphological Changes in Hydrating Hydroxypropylmethyl Cellulose Based Matrix Tablets
	17:00-17:15 B	CL-17	K.F. Ratzsch	Development of a Low-Field Rheo-NMR System
	17:15-17:30 B	CL-18	S. Sturniolo	Characterizing Segmental Relaxation With NMR
	17:30-17:45 B	CL-19	R. Jumeau	On-Line Characterization of LDPE Grades and Flaws Analysis By Raman Spectroscopy and Chemometric Tools
	17:45-18:00 B	CL-20	V. Litvinov	Degradation Mechanisms of Biodegradable Poly(DL-Lactide-Co-Glycolide)1000 Diacrylate Network as Studied By Proton Solid-State Flow NMR Relaxometry
	18:00-18:15 B	CL-21	S. Narses	Characterization of Polymer Degradation in Boiling and Overheated Water: Application to Food Cooking
	18:15-18:30 B	CL-22	N. Longieras	New Development of Low Temperature SEC of High Performance Polymers. Focus On PEEK, Liquid Crystal Polymers and Polyphthalamides

Session 3 Monday 11 June	20:30-21:15	KL	G. Berry	Twenty Five Years of ISPAC
Session 4 Tuesday 12 June	8:30-9:15	IL-5	E. Benetti	Polymeric Grafts at Biological Interfaces: Engineering and Application
	9:15-10:00	IL-6	C. Jerome	Reversible Networks For Advanced Smart Biomaterials
	11:00-11:15	CL-23	P. Jonkheijm	Dynamic Interfaces Between Cells and Biomaterials
	11:15-11:30	CL-24	A. Lederer	Aggregation Behavior of Dendronized Lysine Copolymers
	11:30-11:45	CL-25	B. Postma	Answering the Challenges – Challenge the Answers in Biopolymer Characterization
	11:45-12:00	CL-26	C. Ngumjeu	Antimicrobial Effectiveness of Two Actives Compounds For Food Packaging Applications
	12:00-12:15	CL-27	J. de Groot	Thin Film Chain Orientation and the Anti-Polyelectrolyte Effect of Zwitterionic Polymers Measured With Spectroscopic Ellipsometry
	12:15-12:30	CL-28	E.D. Giol	Surface Activation Strategy to Improve PET Functionality For Cardiovascular Applications
Technical promotion	13:30-13:50	TP-2	S.Harden, Waters	Extending the Capabilities of MS Technologies For Polymers Analysis Using Ion Mobility Mass Spectrometry
Session 5 Tuesday 12 June	14:00-14:45	IL-7	B. Pukanszky	Characterization of PLA/Wood “Green” Composites: Structure, Physical Ageing, Micromechanics, and Performance
	14:45-15:30	IL-8	T. Peijs	Making Composites Without Matrix
	16:30-16:45	CL-29	H.N. Cheng	Use of Agricultural Byproducts as Fillers in Polymer Composites
	16:45-17:00	CL-30	H. Hillborg	Characterization of Polymer Nanocomposites For High Voltage Insulation
	17:00-17:15	CL-31	K. Renner	Novel Approach For the Quantitative Determination of Interfacial Interaction in Polymer Composites
	17:15-17:30	CL-53	M.Barbosa	New Polyurethanes From Oxypropylated Olive Stone
	17:30-17:45	CL-33	A. Saiter	Confinement Effects in Butyl Rubber Composites: From Micro to Nano Scale
	17:45-18:00	CL-34	A.J. Monsivais	Characterization of HDPE/MMT Nanocomposites: Oxygen Barrier Properties Modification With Nanoclays
	18:00-18:15	CL-35	A. Balaceanu	Characterization of Microgel Structure By DLS, NMR and Flory Transition Theory
	18:15-18:30	CL-36	J. Ploegmakers	Penetrant Induced Effects On Macromolecular Dynamics of Thin PPO Films
Session 6 Wednesday 13 June	8:30-9:15	IL-9	J. Rùhe	Diffusion of Polymers Through Nanopores: New Perspectives For the Analysis of Water Soluble Polymers?
	9:15-10:00	IL-10	P. Leclère	Scanning Probe Microscopy of (Complex) Polymeric Materials: Beyond Imaging their Morphology
	10:45-11:00	CL-37	J. Mays	Structure, Thermal, and Rheological Properties of Composites Incorporating Crosslinked Polymer Nanoparticles
	11:00-11:15	CL-38	D. Wöll	Heterogeneities in Diffusion Evolving During Bulk Radical Polymerization as Probed With Single Molecule Fluorescence Microscopy
	11:15-11:30	CL-39	F. Machado	Synthesis of Poly(Vinyl Pivalate)-Based Magnetic Nanocomposites Through Suspension Polymerization Process
	11:30-11:45	CL-40	M. Mauri	Nanoparticles From Amphiphilic Block Copolymers: Hard Or Soft?
	11:45-12:00	CL-41	N. Jarroux	MALDI-TOF MS and Nano ESI-MS/MS, a Winning Combination For Further Detection and Structural Deciphering of Polydisperse Polyrotaxanes Based On Cyclodextrins
	12:00-12:15	CL-42	I. Vukovic	Double Gyroid Network Morphology in Supramolecular Diblock Copolymer Complexes
	12:15-12:30	CL-43	A.Dazzi	Nanoscale Infrared Spectroscopic Analysis of Polymeric Materials
	12:30-12:45	CL-44	E. Denisov	Characterization of Perfluoropolyether-Tetrafluoroethylene Block Copolymers
Session 7 Wednesday 13 June	14:00-14:15	CL-45	Doulache Naima	TSDC Study of the Effect of Rubbery Annealing On Polyethylene Terephthalate (PET)
	14:15-14:30	CL-46	J. Ciric	Improved Characterization Techniques For Branched Polymers
	14:30-14:45	CL-47	L.F. Pease	High Resolution Multimodal Molecular Weight Distributions
	14:45-15:00	CL-48	M.T. Exposito-Espinosa	Viscoelastic Properties of Polyethylene Coming From Chromium-Metallocene Hybrid Catalysts: Effects of the Catalysts Properties and Hydrogen Response
	15:00-15:15	CL-49	P. Jobby	Thermal Oxidation of Cross-Linked Polyethylene (XLPE) Characterized By Solid State 1H-NMR
	15:15-15:30	CL-50	F. Topuz	Strain-Promoted Azide-Alkyne Cycloaddition (SPAAC) Click Chemistry On Antifouling Layers For Controlled, Site-Specific Immobilization of Biological Molecules
	15:30-15:45	CL-51	O. Trabelsi	Hybrid Sol-Gel Materials Used For Barrier Packaging Applications : Preparation and Characterizations
	15:45-16:00	CL-52	A. Serghei	Dynamics and Phase Transitions of Polymeric Materials: From Bulk to Attograms of Matter