

IUPAC MACRO 2012 Technical Program for Oral and Poster Sessions

Sunday		Monday		Tuesday		Wednesday		Thursday		Friday
Parallel Sessions		Mon. AM	Mon. PM	Tues. AM	Tues. PM	Wed. AM	Wed. PM	Thurs. AM	Thurs. PM	Fri. AM
IUPAC MACRO 2012 Registration : 9 AM to 9 PM EST Welcoming Remarks from Timothy Long & Plenary Lectures Kickoff & Reception : 5:45-10:30PM EST	Recent Developments in Synthesis	Controlled Polymerization Processes	Controlled Polymerization Processes	Tailored Architecture	Advances in Step Growth Polymerization	Catalysis and Biocatalysis	Catalysis and Biocatalysis	Advances in Step Growth Polymerization	Efficient Chemical Transformations	MACRO2014 Welcoming by Dr. Supawan Tantayanon
	Modern Methods in Characterization	Advances in X-ray and neutron scattering methods	DSM Session	Advances in X-ray and neutron scattering methods	Advances in imaging methods for polymer morphology	Advances in imaging methods for polymer morphology	Emerging tools in nanocharacter-ization	Emerging tools in nanocharacter-ization	Characterization of complex macromolecular fluids	2 Plenary Lectures: 8:00-10:00 AM
	Complex Macromolecular Systems	Advances in polymer blends and composites	Advances in polymer blends and composites	Supramolecular systems and reversible networks	Supramolecular synthesis and structure	Tough and stimuli responsive gels	Nanofibers	Functional self-organized materials and blends	Polymerized Ionic Liquids	
	Surfaces and Interfaces	Thin films: Morphology	Responsive surfaces and interfaces	IUPAC Award Winner	Thin films: Instabilities	Thin films: Applications	Thin films: Organic photovoltaics	Thin films: Crystallization and ordering	General topics in surfaces and interfaces	
	Macromolecules and Nanotechnology	Macromolecular assembly (covering both self- and directed assemblies)	Nanoscale multilayer assembly	Macromolecular assembly II	Polymer-Inorganic hybrid nanostructures for energy systems	Nanoparticles for drug delivery/ polymers for nanomedicine approaches	New macromolecular nanostructures and processing	Hierarchically structured and biomimetic polymers	Nanomaterial (Nanocarbon) based functional polymer composites	
	Macromolecules in Biotechnology and Medicine	Drug and gene delivery	Drug and gene delivery	Drug and gene delivery	Imaging	Imaging	Tissue engineering	Tissue engineering	Coatings	
	Energy, Optics, and Optoelectronics	Photovoltaics	Photovoltaics	Photovoltaics	Fuel cells	Fuel cells	Energy storage	Energy storage	Wind	
	Polymer and Polymer Based Membranes for Energy and Environmental Applications	Polymer-based Membranes for Energy and Environmental Separations	Polymer-based Membranes for Energy and Environmental Separations	Polymer-based Membranes for Energy and Environmental Separations	Polymer-based Membranes for Energy and Environmental Separations	Polymer-based Membranes for Energy and Environmental Separations	Porous polymers	Polymer-based Membranes for Energy and Environmental Separations	Polymer-based Membranes for Energy and Environmental Separations	
	Commercial Frontiers	Advanced engineering plastics and thermosets	Polymers for environmental applications	Polymers for energy applications	Polymers for energy applications	Biomedical materials	Novel polymer processing methods	Biobased polymers and Entrepreneurship	Biobased polymers and Entrepreneurship	
	Advances in Interdisciplinary Interactions	Tri-national Award winners	Tri-national Award winners	Models for interdisciplinary institutes	Public outreach	Advances in polymer and materials science engineering education	Advances in polymer and materials science engineering education	Ethics in scientific research	Funding international and interdisciplinary partnerships	
	Polymer Physics	Polymer crystallization	Polymer glasses and aging	Polyelectrolytes and biopolymers	Block copolymers	Polymer melt dynamics	Polymer nanocomposites	Polymer networks and gels	General topics in polymer physics	
	Miscellaneous Sessions	Panel Virtual Session from Arlington (10:30-12:15 PM EST)	General Poster Session (7:30-9:30 PM EST)		General Poster Session (7:30-9:30 PM EST)		General Poster Session (7:30-9:30 PM EST)		Thursday Evening Banquet: Robert Lang/Break Zone for Graduate Students	