

MILAN POLYMER DAYS 7TH-9TH JUNE 2023

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PROGRAM OF THE ORAL COMMUNICATIONS

Keynotes (KN), invited lectures (IL), and short oral communications (OC)

The times refer to the local time in Milan, Italy, i.e. CEST (UTC + 2).

DAY 1 - JUNE 7TH, 2023

9:30 AM	REGISTRATION	
10:30 AM	OPENING CEREMONY	
		E. Ranucci , University of Milan (IT), Congress Chair
		L. Prati , University of Milan (I), University of Milan, Head of the Department of Chemistry
		1st Session - Chairpersons: E. Ranucci and L. Prati , University of Milan (IT)
11:00 AM	KN	S. Thomas , Mahatma Gandhi University (IN). Nanostructured polysaccharide materials for water purification
11:40 AM	IL	N. Tirelli , Italian Institute of Technology, Genoa (IT). Polymer-mediated ROS-scavenging and anti-fibrotic effects
12:10 PM	OC	E. Falletta , University of Milan (IT). Floating polyaniline/TiO ₂ composites for water remediation under solar light irradiation: a new life for an old polymer
12:25 PM	OC	L. Riva , Polytechnic of Milan (IT). Investigating the role of AgNO ₃ -derived silver nanoparticles supported onto TEMPO-oxidized cellulose nanofibers in promoting Cd ²⁺ cations adsorption
12:40 PM	Lunch time and poster session	
		2nd Session - Chairpersons: S. Thomas , Mahatma Gandhi University (IN) and E. Falletta , University of Milan (IT)
02:40 PM	OC	D. Bozzo , Alfatest s.r.l. (IT). Scanning electron microscopy for polymer characterization
03:00 PM	OC	A. Beduini , University of Milan (IT). Synergism between bioderived polyamidoamines and sodium montmorillonite for enhancing the flame retardancy of cotton fabrics
03:15 PM	OC	M.-O. Augé , University of Lille (FR). Copolymerization of L-lactide with phosphonate derivatives
03:30 PM	IL	P. Stagnaro , Italian National Research Council (CNR-SCITEC), Genoa (IT). Enhancing efficiency and sustainability of polymer-ceramic composites for energy harvesting and storage
03:50 PM	Coffee break	
		3rd Session - Chairpersons: N. Tirelli , Italian Institute of Technology, (IT) and P. Stagnaro , National Research Council, (IT)
04:20 PM	IL	A. Caselli , University of Milan (IT). Ammonium metallates as catalysts for the low pressure reaction of carbon dioxide with epoxides: experimental and theoretical insights
04:40 PM	IL	M.L. Di Lorenzo , Italian National Research Council (IPCB-CNR), Pozzuoli (IT). Crystal polymorphism of poly(L-lactic acid) induced by CO ₂
05:00 PM	IL	I. Zaborniak , Rzeszow University of Technology (PL). Development of radical polymerization toward more economical and environmentally-friendly concepts: from low ppm to metal-free ATRP
05:20 PM	OC	O. Santoro , University of Insubria (IT). Sustainable polymers via controlled radical polymerization: synthetic and mechanistic aspects
05:35 PM	END of SESSION	

DAY 2, JUNE 8TH, 2023

4th Session - Chairpersons: E. Ranucci , University of Milan (IT) and N. Mauro , University of Palermo (IT)		
09:30 AM	KN	L. Ambrosio , Italian National Research Council (IPCB-CNR), Pozzuoli (IT). Polymer-based biomaterials for health: a long journey from research to market
10:10 AM	IL	R. Cavalli , University of Turin (IT). Iron-chelating polymer nanobubbles as a tool in neurodegenerative diseases
10:40 AM	IL	N. Griffete , Sorbonne University (FR). Molecularly imprinted polymers in nanomedicine
11:00 AM	OC	M. Argenziano , University of Turin (IT). Polysaccharide-shelled nanobubbles as Glypican-3 targeted nanomedicine for Hepatocellular carcinoma therapy
11:15 AM	Coffee break	
5th Session - Chairpersons: L. Ambrosio , Italian National Research Council (IPCB-CNR), Pozzuoli (IT) and N.Griffete , Sorbonne University (FR)		
11:45 AM	IL	F. Cellesi , Polytechnic University of Milan (IT). Advanced polymers via macromolecular engineering for nanosized delivery systems
12:05 PM	IL	N. Mauro , University of Palermo (IT). Gadolinium-doped carbon nanodots functionalized with redox-sensitive poly(amidoamine)s for image-guided siRNA delivery
12:25 PM	OC	I. Armentano , University of Tuscia (IT). Polymer-based composites for biomedical applications
12:45 PM	OC	C. Scialabba , University of Palermo (IT). Self-assembled cholesterol-inulin micelles as carrier for the nuclear delivery of anticancer drugs
01:00 PM	OC	S. Treccani , University of Milan (IT). Ecotoxicity assessment of bioinspired polyamidoamines using zebrafish as vertebrate model
01:15 PM	Lunch time and poster session	
6th Session – Chairpersons: F. Cellesi , Polytechnic University of Milan (IT) and I. Armentano , University of Tuscia (IT)		
03:15 PM	IL	D. Cangialosi , National Research Council (CSIC), San Sebastián (ES). Non-equilibrium glass dynamics in complex polymeric systems
03:35 PM	IL	A. Pitto-Barry , Paris-Saclay University (FR). Exploiting polymer assemblies for the delivery of inorganics
03:55 PM	IL	C. Mattea , Technical University of Ilmenau (DE). Molecular dynamics in polymers melts and solutions studied by field cycling relaxometry
04:15 PM	IL	S. Elli , IRCB “G. Ronzoni”, Milan (IT). Synthesis and characterization of a modified-lactose-grafted hyaluronic acid against Galectin-3
04:30 PM	OC	P. Vacca , Saes Getter S.p.A. (IT). MAN for a new class of functional polymers
04:50 PM	OC	M.G. Galloni , University of Milan (IT). Loofah-based materials for pH-driven selective adsorption of multi-dyes solutions
05:00 PM	END of SESSION	
06:30 PM	Apericena	

DAY 3, JUNE 9TH, 2023

7th Session - Chairpersons: E. Ranucci , University of Milan (IT) and O. Santoro , University of Insubria (IT)		
09:30 AM	KN	R. Tobias , Fraunhofer Institut WKI (DE). Bio-based polymer resins for coatings applications
10:10 AM	IL	M. Galimberti , Polytechnic University of Milan (IT). Polymers with controlled molecular structure from biosourced building blocks
10:30 AM	IL	C. Jehanno , Polykey (ES). Polymers for a sustainable future: challenges and opportunities of a young start-up
10:50 AM	IL	L. Boggioni , Italian National Research Council (CNR-SCITEC), Milan (IT). Green polysulfides from renewable monomers: a challenge towards sustainability
11:10 AM	Coffee break	
8th Session - Chairpersons: D. Cangialosi , Spanish National Research Council (CSIC), San Sebastián (ES) and L. Boggioni , Italian National Research Council (CNR-SCITEC), Milan (IT)		
11:40 AM	IL	S. Bruzaud , Bretagne Sud University (FR). For a sustainable and European value chain of PHA-based materials for high volume consumer products
12:00 PM	IL	H. Mutlu , Haute-Alsace University (FR). Harnessing the possibilities of sulfur-decorated polymers
12:20 PM	IL	F. Zaccheria , Italian National Research Council (CNR-SCITEC), Milan (IT). Tapping into renewable sources for the preparation of styrene-free thermosetting materials with tunable properties
12:40 PM	IL	G. Fredi , University of Trento (IT). PLA/poly(alkylene furanoate)-based films, fibers, and nanofibers: processing, properties, and applications
01:00 PM	Lunch time	
9th Session - Chairpersons: E. Ranucci , University of Milan (IT) and S. Bruzaud , Bretagne Sud University (FR)		
02:00 PM	IL	S. Gazzotti , University of Milan (IT). Alditol-based polyesters: structural and synthetic investigations towards fully biobased and biodegradable materials
02:20 PM	IL	G. Santagata , Italian National Research Council (IPCB-CNR), Pozzuoli (IT). Exploitation of agrowaste and vegetable biomass as source of upgraded bioplastics: a real chance of circular economy approach
02:40 PM	IL	L. Valentini , University of Perugia (IT). New technologies based on printable ancient biopolymers and nanomaterials for smart packaging and designing ideal interfaces with biological tissues
03:00 PM	IL	M. Dobrzynska-Mizera , Poznan University of Technology (PL). Bioresorbable implants manufactured via 3D printing technology for bone reconstruction
03:20 PM	OC	A. Odoardo , University of Ferrara (IT). Organocatalytic synthesis and properties study of poly(hydroxymethylfuroate), bio-based polyester derived by 5-hydroxymethylfurfural.
03:35 PM	END of SESSION, POSTER AWARD, MARIO MALINCONICO AWARD ANNOUNCEMENT and CLOSING REMARKS	