MILAN POLYMER DAYS 18TH-20TH JUNE 2025

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		DAY 1 -JUNE 18 TH , 2025			
9:30 AM	REGISTR	ATION			
10:30 AM	OPENING CEREMONY				
		E. Ranucci, University of Milan (IT), Congress Chair			
		L. Lay, University of Milan (I), Head of the Department of Chemistry			
1 st Session –	Chairpersor	ns: E. Ranucci and L. Lay , University of Milan (IT)			
11:00 AM	KN	E. Dalcanale, University of Parma (IT). Non-covalent dynamic polymer networks			
11:45 AM	IL	M. Guerre , Université de Toulouse, CNRS (FR). Disulfide-based vitrimers: from mechanistic insight to industrial implementation			
12:05 PM	IL	M. Paiva , University of Minho (PT). PEEK composites with carbon nanoparticles: processing, properties and functionalities			
12:25 PM	IL	D. Montarnal , University of Lion 1, CNRS (FR). Improving high shear processability of dynamic covalent networks			
12:45 PM	Lunch tin	ne and poster session			
2 nd Session -	Chairperso	ns: E. Dalcanale, University of Parma (IT) and M.C. Paiva, University of Minho (PT)			
01:45 PM	KN	R. Nicolaÿ , École supérieure de physique et de chimie industrielles de la Ville de Paris (FR). Using phase separation to design recyclable and self-healing materials			
02:30 PM	IL	C. Pirola , University of Milan (IT). Experimental study and artificial intelligence modeling of solvent separation processes for the sustainable recycling of polyamide-based textile waste			
02:50 PM	IL	P. Georgopanos , Helmholtz-Zentrum Hereon (DE). Sustainable polymer synthesis supported by digital twins for composite and membrane applications			
03:10 PM	IL	J. Raynaud, University of Lyon 1, CNRS (FR). Eco-design and circularity for silicones			
03:30 PM	OC	L. Riva, Polytechnic University of Milan (IT). Turning textile waste into high-performance nanostructured cellulose-based aerogels for clean water			
03:45 PM	Coffee b	reak			
3 rd Session -	Chairpersor	ns: C. Pirola, University of Milan (IT) and R. Nicolaÿ , ESPCI (FR)			
04:05 PM	IL	A. Sousa , University of Aveiro (PT). Greener solvent-driven strategies for closed-loop recycling of complex polymers			
04:25 PM	IL	Y. Marien, Ghent University (BE). The strength of multi-scale in silico tools for polymer design and recycling			
04:45 PM	IL	E. Deniau, Le Mans Université (FR). Core-shell microgel@MOF colloids for selective CO2 capture			
05:05 PM	OC	T. Bardelli, NETZSCH-Gerätebau GmbH, Verona, (IT). Understanding and optimizing the quality of recycled polypropylene (PP) through thermal analysis and rheology			
05:25 PM	OC	F. Bertocchini , University of Milan (IT). Plastic degradation by wax worm enzymes: molecular insights from structural analysis			
05:40 PM	MYOC	F. Valentini, University of Trento (IT). Recycling of phenolic resins for household application			
05:55 PM	END of S				
07:00 PM	APERICE	NA			

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DAY 2, JUNE 19 TH , 2025					
4 th Session -	- Chairpersor	ns: E. Ranucci , University of Milan (IT), D. Portinha , Université de Lyon, INSA Lyon (FR)			
09:00 AM	KN	C. De Rosa , University of Naples "Federico II" (IT). From polyolefins to sustainable polymers through molecular catalysis: a tool for polymer engineering			
09:45 AM	IL	A. Esposito , University of Rouen (FR). Critical cooling rate of fast-crystallizing polyesters: the example or poly (alkylene trans-1,4-cyclohexanedicarboxylate)			
10:05 AM	IL	A. Li Volsi, Exactmer Ltd (GB). Liquid phase manufacture of exact polymers			
10:25 AM	IL	L. Valentini, University of Perugia (IT). Silk engineer: innovating new materials			
10:45 AM	OC	L. Maddalena, Polytechnic University of Turin (IT). Polyelectrolytes complexation as structural tool for the preparation of self-standing and flame retardant bio sourced composites			
11:00 AM	Coffee b	reak			
5 th Session -	- Chairpersor	ns: C. Derosa , University of Naples Federico II (IT), L. Valentini , University of Perugia (IT)			
11:30 AM	IL	R. Cavalli, University of Turin (IT). Polysaccharides for the design of fast and sustained release buccal films			
12:00 PM	IL	D. Chan-Seng , Université de Strasbourg, CNRS (FR). Macromolecular engineering to tune materials for biomedical applications			
12:20 PM	IL	F. Cellesi, Polytechnic University of Milan (IT). Polymer design for cell and drug microencapsulation			
12:40 PM	IL	L. Gibot , Université de Toulouse, CNRS (FR). Polymer nanovectors to improve efficacy of photodynamic therapy: applications to antitumor strategies and regenerative medicine			
01:00 PM	Lunch tir	ne and poster session			
6 th Session -	- Chairperso	ns: R. Cavalli, University of Turin (IT), M. Coletti, TA Waters Italia (IT)			
02:15 PM	IL	N. Mauro , University of Palermo (IT). Interconnected hybrid nanogel network for precision breast cance ablation: combining multimodal imaging, sensing, and phototherapy			
02:35 PM	IL	I. Zaborniak, Rzeszow University of Technology (PL). Designing drug delivery systems by atom transfer radical polymerization			
02:55 PM	OC	N. Griffete, Sorbonne University (FR). Molecularly imprinted polymer for cancer imaging and therapy			
03:10 PM	oc	N. d' Avanzo , University of Catanzaro "Magna Graecia" (IT). Electrospun polymeric membranes with embedded nanovesicles for topical inflammation treatment			
03:25 PM	Coffee b	reak			
7 th Session -	- Chairperso	ns: E. Ranucci , University of Milan (IT), N. Mauro , University of Palermo (IT)			
03:55 PM	IL	M. Dobrzyńska-Mizera , Poznan University of Technology (PL). Analysis of in vivo bioresorption kinetics in advanced polylactide-based composites			
04:15 PM	oc	M. Argenziano , University of Turin (IT). Polysaccharide-shelled nanobubbles as innovative nanoplatform to overcome cancer chemoresistance			
04:30 PM	oc	I. Bonadies, CNR, IPCB, Pozzuoli (IT). Designing 3D-structures for nanomedicine based on electrospur nanofibers			
04:45 PM	IL	L. de Smet, Wageningen University (NL). Polyester-based polyelectrolyte complexes			
05:05 PM	MYOC	F. Ferruti , Lignoflow Technologies AB, Stockholm, Sweden (SE). Lignin as platform material for safe and sustainable built environments			
05:20 PM	MYOC	F. Moretti , University of Trieste (IT). Optimizing injection molding of polymeric nanocomposites via d optimal design of experiments			
05:35 PM	MYOC	M. Klamut , Rzeszow University of Technology (PL). Shedding new light on novel photocatalytic systems fo photo-mediated atom transfer radical polymerization			
		SESSION			

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		DAY 3, JUNE 20 th , 2025
8 th Session -	- Chairpersor	ns E. Ranucci, University of Milan (IT), A. Dorigato , University of Trento (IT)
09:00 AM	KN	P. Bober, Czech Academy of Sciences, Institute of Macromolecular Chemistry (CZ). Conducting polymer aerogels and carbogels: preparation and applications
09:45 AM	IL	S. Lanzalaco , Polytechnic University of Catalonia (ES). Biopolymers and electrochemistry: a powerful du for sustainable development
10:05 AM	OC	O. Santoro , University of Insubria (IT). Tuning thermal and mechanical properties of ABA copolymers from elastomers to thermoplastics
10:20 AM	MYOC	S. Treccani, University of Milan (IT). Polyamidoamine-based photostabilizers for cotton fabrics
10:35 AM	MYOC	C. Bussi , University of Eastern Piemonte (IT). Optimisation of synthesis parameters to enhance texture properties of HCPs derived from polystyrene waste
10:50 AM	Coffee b	reak
9 th Session	- Chairpersor	ns: P. Bober, Czech Academy of Sciences, Czech Republic, A. Caselli, University of Milan (IT)
11:20 AM	IL	E. Guillen-Burrieza , Polytechnic University of Catalonia (ES). Polymeric materials and membranes, it's match!
11:40 AM	IL	S. Pérez-Rafael , Polytechnic University of Catalonia (ES). Biomass-derived polymers and their valorizatio for eco-friendly material design
12:00 PM	IL	D. Portinha , University of Lyon 1, INSA Lyon (FR). Chemical strategies towards "greener" silicone polymer and materials
12:20 PM	OC	A. Rossetti, Polytechnic University of Milan (IT). Harnessing polyethyleneimine in 3D-printing for tunabl heterogeneous catalysts
12:35 PM	MYOC	A. Tauro, University of Trento (IT). Development of eco-sustainable fully bio-based multifunction compounds and textiles
12:50 PM	MYOC	M. Venturi , University of Bologna (IT). Non-isothermal crystallization of biobased aromatic polyesters: Th role of different diacid subunits
01:05 PM	MYOC	M. Arioli , University of Milan (IT). Enhancing the flame resistance of cotton fabrics through targete chemical functionalization
01:20 PM	Lunch tin	ne
10 th Session	- Chairperso	ons: Elisabetta Ranucci, University of Milan (IT), Orlando Santoro, University of Insubria (IT)
02:35 PM	IL	T. Krasia-Christoforou, University of Cyprus (CY). Functionalized polymer-based fibrous materials b means of electrospinning
02:55 PM	OC	M. Coletti , TA-Instrument, Waters (IT). High temperature fatigue performance evaluation of fibre reinforced polymer (FRP) composites utilizing monotonic, and dynamic mechanical analysis characterization
03:15 PM	OC	D. Callegari , University of Pavia (IT). Multi-hydrogen bond-based self-healing polymer separator for nex generation lithium batteries
03:30 PM	MYOC	M. Pierigè , CNR, ICCOM, Pisa (IT). Probing cotton's thermo-oxidative behavior: a joint solid-state NM and EPR investigation
03:45 PM	MYOC	A. Rispo, University of Naples "Federico II" (IT). Compatibilization of isotactic polypropylene (iPP) an polyethylene (PE) with PP-based block copolymers
04:00 PM	MYOC	H. Zhao, Polytechnic University of Turin (IT). Crystallization of polycaprolactone within nanopapers base on graphene-related materials
04:15 PM	PRIZE	A. Coatti, University of Bologna (IT). Furan-based polyester with inherent antimicrobial properties for automotive applications