

Milan Polymer Days 2018



PROGRAM

The congress presentations consist of keynote lectures (KN), invited lectures (IL) and oral communications (OC)

Wednesday, February 14th, 2018

11:00 REGISTRATION

13:00 OPENING CEREMONY

E. Ranucci, Università di Milano (I), Congress Chair

L. Prati, Università di Milano (I), Head of the Chemistry Department

Chairperson: P. Ferruti, Università di Milano (I)

13:20 KN **A. - C. Albertsson**, KTH, Stockholm (SE). *Sustainability, renewable and/or degradable polymers*

14:00 IL **N. Lotti**, Università di Bologna (I). *Design of innovative polymeric materials for sustainable food packaging*

14:20 IL **G. Fontaine**, University of Lille (F). *Synthesis of cyclic or linear polymer using the same catalyst: a case study of the polylactide*

14:40 IL **R. Cavalli**, Università di Torino (I). *Polymers for gene delivery*

15:00 KN **L. Capuzzi**, Novamont S.p.A., Novara (I). *Biodegradable bioplastics: a demonstration case of bioeconomy at work*

15:40 COFFEE BREAK

Chairperson: A. - C. Albertsson, KTH, Stockholm (SE)

16:00 KN **F. Chiellini**, Università di Pisa (I). *Polysaccharides from sustainable and renewable resources: a versatile class of materials for biomedical applications*

16:40 IL **F. Ganazzoli**, Politecnico di Milano (I). *Self-ordering in solution of a novel polyamidoaminoacid with a chiral arginine side chain*

17:00 IL **D. Pappalardo**, Università del Sannio (I). *Thiol-functionalized aliphatic poly(esters): a versatile platform for biomedical applications*

17:20 IL **M. L. Di Lorenzo**, IPCB-CNR, Pozzuoli (I). *Advanced thermal analysis of poly(lactic acid)*

17:40 OC **M. Argenziano**, Università di Torino (I). *Sulfobutyl ether- β -cyclodextrin decorated chitosan nanodroplets for the delivery of acyclovir*

17:55 END of SESSION

Thursday, February 15th, 2018

08:30 REGISTRATION

Chairperson: F. Chiellini, Università di Pisa (I)

09:00 KN **H. - A. Klok**, Ecole Polytechnique Fédérale de Lausanne (CH). *Polymers at hard and soft surfaces*

09:40 IL **P. Favia**, Università di Bari (I). *Plasma deposited polymer coatings for biomedical applications*

10:00 OC **S. D'Onofrio**, Università di Brescia-Medtronic (I). *Surface modification of polymeric biomaterials via ultraviolet photolysis of phenyl azides*

10:15 KN **N. Tirelli**, IIT Genova (I). *Hyaluronic acid. Interactions at the cell surface and applications in drug delivery*

10:55 COFFEE BREAK

Chairperson: H. - A. Klok, Ecole Polytechnique Fédérale de Lausanne (CH)

11:15 KN **P. Griffiths**, University of Greenwich (UK). *NMR of diffusion and electrophoresis in bio- and polymer solutions and gels*

11:55 IL **M. A. Grunlan**, Texas A&M University (USA). *Self-fitting shape memory polymer scaffolds based on PCL-PLLA semi-IPNs with unique degradation behavior*

12:15 OC **C. G. M. Gennari**, Università di Milano (I). *Silk fibroin: a versatile biomaterial for drug delivery*

12:30 OC **G. Dal Poggetto**, IPCB-CNR, Pozzuoli (I). *A new strategy to enhance targeting properties of polymeric nanoparticles*

12:45 OC **M. Paolino**, Università di Siena (I). *π -Stacked polybenzofulvene: original materials for drug delivery systems*

13:00 LUNCH and POSTER SESSION

Chairperson: P. Griffiths, University of Greenwich (UK)

14:10 KN **F. Auriemma**, Università di Napoli (I). *Crystallization of polyolefins under bias*

14:50 OC **A. Cavalleri**, Perkin Elmer (I). *The hyphenation techniques: synergies and state of art technology*

15:05 OC **M. Lugli**, Alfatest (I). *Rheological behavior of visco-elastic materials: innovative measurement techniques as an alternative to rotational rheometers*

15:20 OC **D. R. D'hooge**, Ghent University (B). *A model platform to support design of functional polymeric materials*

15:35 COFFEE BREAK

Chairperson: F. Auriemma, Università di Napoli (I)		
15:55	IL	D. Moscatelli , Politecnico di Milano (I). <i>Emulsion free radical polymerization: a powerful tool to synthesize materials</i>
16:15	IL	M. Sangermano , Politecnico di Torino (I). <i>Recent advances in cationic photopolymerization</i>
16:35	IL	G. Leone , ISMAC-CNR, Milano (I). <i>Branched and block (co)polymers by chain-walking polymerization with late transition metal complexes</i>
16:55	OC	E. Passaglia , ICCOM-CNR, Pisa (I). <i>Polymer-based black phosphorus (bP) hybrid materials by polymerization in-situ technique: a tool to exfoliate bP and stabilize bP nanoflakes</i>
17:10	OC	G. Zanchin , ISMAC-CNR, Milano (I). <i>Vanadium(III) phosphine complexes as versatile catalysts for the polymerization of 1,3-butadiene and olefins</i>
17:25	OC	Y. S. Mohammad , IBB University, Lapai (WAN). <i>Production of bioethanol from corncob via modified two-stage hydrolysis with different acids</i>
17:35	OC	C. Gracia , TA Waters (S). <i>Advanced TGA techniques in the characterization of polymers</i>
17:50	END of SESSION	
19:30	SOCIAL DINNER	
Friday, February 16th, 2018		
Chairperson: F. Carosio, Politecnico di Torino (I)		
08:45	KN	J. Karger-Kocsis , Budapest University of Technology and Economics (H). <i>Recent trends in interphase/interlaminar engineering in composites</i>
09:25	IL	M. Messori , Università di Modena (I). <i>Photo-curable resins modified with in situ generated silver nanoparticles for stereolithography</i>
09:45	IL	A. Pegoretti , Università di Trento (I). <i>3D printing with polymer nanocomposites</i>
10:05	IL	D. Lo Curto , Domo, Engineering Plastics, Arco (I). <i>DOMAMID HT: next generation of stabilized polyamides for long term heat stabilization resistance</i>
10:25	OC	A. Dorigato , Università di Trento (I). <i>Development of novel thermoplastic composite laminates with thermal energy storage/release capability</i>
10:40	COFFEE BREAK	
Chairperson: J. Grunlan, Texas A&M University (USA)		
11:00	KN	M. Döring , Fraunhofer LBF, Darmstadt (D). <i>Phosphorus containing polymers as flame retardants</i>
11:40	OC	C. Hu , University of Lille (F). <i>Phosphorus-based fire retardants for polybutylene succinate: investigation of the gas phase</i>
11:55	OC	G. Sanchez-Olivares , CIATEC, A.C., León (MEX). <i>Keratin fibres recovered from tannery industry wastes as fire retardant agents on PLA composites</i>
12:10	KN	J. Alongi , Università di Milano (I). <i>Novel linear polyamidoamine-based intumescent flame retardant coatings for cotton</i>
12:50	LUNCH and BEST POSTER AWARDS	
Chairperson: M. Döring, Fraunhofer LBF, Darmstadt (D)		
14:00	KN	J. Grunlan , Texas A&M University (USA). <i>Multilayer polymer thin films that can stop gas and fire and generate voltage from your body heat</i>
14:40	IL	F. Carosio , Politecnico di Torino (I). <i>Nanocellulose as biobased building block for the production of thin films and lightweight foams with superior flame retardant properties</i>
15:00	IL	A. Castrovinci , University of Applied Science and Arts of Southern Switzerland (CH). <i>Monitoring surface modifications of flame retarded burning polymers</i>
15:20	END of CONGRESS and CLOSING REMARKS	