



Final Lecture Program

(Legenda: KN = Keynote Lecture ; IL = Invited Lecture; CL = Contributed Lecture; EP = Elevated Pitch)

Monday, 24 June 2019 – Naples

(Aula Magna, Complex of San Giovanni, Federico II University)

Time	Session
8.10	Transfer by hydrofoil from Sorrento to Naples (Day Chairman: Vincenzo Busico , Federico II U-Naples, Italy)
09.45-10.30	Opening Addresses - Gaetano Guerra (EASAC, Italian Representative for 'Plastics and Circular Economy', and U-Salerno, Italy) - Jacques Joosten (Managing Director, Dutch Polymer Institute, Eindhoven, Netherlands) - Minoru Terano (VP, Japan Advanced Institute of Science&Technology, Ishikawa, Japan)
10.30-11.15	1. Sustainable Polymers for a Circular Economy - KN1: Just Jansz (Expertise Beyond Borders, NL) <i>Sustainability: a new paradigm for plastics</i>
11.15-11.30	Coffee break
11.30-12.15	- KN2: Rolf Mülhaupt (U-Freiburg, Germany) <i>Is the future of plastics green?</i>
12.15-13.00	- KN3: Markus Gahleitner (Borealis, Linz, Austria) <i>Polyolefins as building blocks for a circular economy</i>
13.00-14.30	Lunch
14.30-15.00	- IL1: Frank Kuijpers (SABIC, Sittard, Netherlands) <i>Plastics: from waste to building block for a sustainable world</i>
15.00-15.30	- IL2: Kate Geraghty (Dow Europe GmbH, Horgen, Switzerland) <i>Dow Packaging and Specialty Plastics Innovation: Delivering Sustainable Solutions across the Value Chain</i>
15.30-16.00	- IL3: Gus Hutras (Braskem S.A., Philadelphia, PA, USA) <i>Chemical Recycling: Solving a Plastic Problem</i>
16.00-16.15	Coffee break
16.15-17.30	- Brainstorming and Open Discussion (Industry&Academia) Discussion Leader: Jacques Joosten (Dutch Polymer Institute, Eindhoven, Netherlands)
17.45	Transfer by coach to Sorrento
20.30-22.30	Dinner

Tuesday, 25 June 2019 – Sorrento
(Hilton Sorrento Palace Conference Center – Sala Ulisse)

Time	Session
08.45-09.00	Opening Remarks (Vincenzo Busico, Federico II U-Naples, Italy)
09.00-10.30	2. Catalyst Design (Chairman: Luigi Cavallo , KAUST, Jeddah, Saudi Arabia) - KN4: Jean-Francois Carpentier (U-Rennes, France) & Laurent Maron (U-Toulouse, France) <i>Design of Lanthanidocene Catalysts for Syndioselective Styrene–Ethylene Homo and Copolymerization: a Joint Experimental and Computational Effort</i>
10.30-10.45	- EP1: Christian Ehm (Federico II U-Naples, Italy) <i>Catalyst Design Using HTE Tools and DFT QSAR Modeling: A Case Study on C₂-symmetric Bis-indenyl Type Zirconocenes in Olefin Polymerization</i>
10.45-11.00	- EP2: Manuel Schnitte (U-Konstanz, Germany) <i>Single-chain PE Nanocrystals by Living Polymerization in Aqueous Media</i>
11.00-11.30	Coffee break
11.30-11.50	- CL1: Peter H. M. Budzelaar (Federico II U-Naples, Italy) <i>Structure-activity relationships for bisphenolate ether catalysts</i>
11.50-12.10	- CL2: Shixuan (Bruce) Xin (PetroChina, Beijing, China) <i>Neutral Nickel Complexes Catalyzed Ethylene Polymerization and Olefin-Polar Monomer Copolymerization</i>
12.10-12.30	- CL3: Victor Quiroga (Arlanxeo, Geleen, Netherlands) <i>Controlled production of bimodal copolymers using guanidinato catalysts</i>
12.30-12.45	- EP3: Giorgia Zanchin (ISMAL-CNR, Milan, Italy) <i>Metal-ligand synergy through electron transfer and its influence on the polymerization of olefins: the case study of iminopyridine chromium complexes</i>
12.45-13.00	- EP4: Laura Falivene (KAUST, Jeddah, Saudi Arabia) <i>Control of chain walking by tailoring the strength of neighboring group interactions switches polymerization to dimerization catalysis</i>
	Lunch break
	3. Reaction Kinetics and Mechanistic Studies (Chairman: Minoru Terano , JAIST, Ishikawa, Japan)
16.00-17.00	- KN5: Clark Landis (U-Wisconsin at Madison, USA) <i>Practical, Information-Rich Kinetic Methods for Understanding Catalytic Alkene Polymerization</i>
17.00-17.20	- CL4: Jeff Brinen (ExxonMobil, Baytown, TX, USA) <i>A Tale of Two Sites</i>
17.20-17.40	- CL5: Timothy McKenna (CPE, U-Lyon, France) <i>Condensed Mode Cooling: The Impact of Induced Condensing Agents on Gas Phase Polymerisation of Ethylene</i>
17.40-18.00	Coffee break
18.00-18.15	- EP5: Yue Yu (CPE, U-Lyon, France) <i>Employing alkynyl ether labeling to count active sites of olefin polymerization catalysts: Methodology and application</i>
18.15-18.30	- EP6: Mikhail Matsko (Boriskov Institute of Catalysis, Novosibirsk, Russia) <i>Design of bimodal polyethylene on the base of bis(imino)pyridine Fe(II) complexes</i>
18.30-18.45	- EP7: Yi Luo (Dalian-U, China) <i>C–H...π Interaction Regulates Stereoselectivity in Olefin Polymerization</i>
18.45-19.00	- EP8: Francesco Zaccaria (Federico II U-Naples and U-Perugia, Italy) <i>Insights into the structure and reactivity of BHT-modified MAO by NMR spectroscopy</i>
19.00-19.30	- IL4: Cristiano Zuccaccia (U-Perugia, Italy) <i>Ionic aggregation, in-situ modification and interaction with chain transfer agents of molecular catalysts for olefin polymerization</i>
19.45-21.00	Dinner
21.00-...	Poster Session 1 (with Open Bar)

Wednesday, 26 June 2019 – Sorrento
(Hilton Sorrento Palace Conference Center – Sala Ulisse)

Time	Session
	4. Heterogeneous Catalysts (Chairman: Nic. Friederichs , SABIC, Geleen, Netherlands)
08.45-10.45	- KN6: Christophe Copéret (ETH-Zurich, Switzerland), Florian Meirer (U-Utrecht, Netherlands), Elena Groppo (U-Turin, Italy), and Toshiaki Taniike (JAIST, Japan) <i>Ziegler-Natta (and related) catalysts from up and close: a 4-labs combined characterization approach</i>
10.45-11.00	- EP09: Boping Liu (SCAU, Guangzhou, China) <i>Bimodal Polyethylenes Produced with Bimetallic ZN Catalysts: Synthesis, Characterization and Applications</i>
11.00-11.15	- EP10: David Trummer (ETH Zurich, Switzerland) <i>Experimental Evidences and Conjectures on the Initiation Process in Cr-based ethylene polymerization</i>
11.15-11.30	Coffee break
11.30-11.50	- CL6: Vincent Monteil (CPE, U-Lyon, France) <i>New trends in Heterogeneous Ziegler-Natta Catalysis: Lewis Acids Influence on Titanium and Non-Titanium based Catalysts</i>
11.50-12.10	- CL7: Zhiqiang Fan (Zhejiang-U, Hangzhou, China) <i>Study on Active Centers and Molecular Kinetics of 1-Hexene Polymerization by Quench-Labeling and ¹H NMR Analysis</i>
12.10-12.30	- CL8: Virendrakumar Gupta (Reliance, Navi Mumbai, India) <i>Magnesium Alkoxide Catalyst Precursor and Its Ziegler Natta catalyst for Polypropylene: Morphological Insights</i>
12.30-12.45	- EP11: Toshiya Uozumi (Toho Titanium, Chigasaki, Japan) <i>Propylene Polymerization Performance with Aminosilane Compounds as External Donors in Ziegler-Natta Catalysts</i>
12.45-13.00	- EP12: Bodo Richter (Evonik, Hanau-Wolfgang, Germany) <i>A spherical Mg-Ethanolate support for Ziegler Natta catalysts of superior ICP-PP capability and well defined particle morphology</i>
13.00-13.30	- IL5: Gerwin Wijsman (Grace, Worms, Germany) <i>Ziegler-Natta catalysts in changing environments - challenges in implementation</i> Lunch break
	5. Molecular Catalysts (Chairman: John Severn , DSM Ahead, Geleen, Netherlands)
16.00-17.00	- KN7: Bernhard Rieger (TU-Munich, Germany) <i>Catalytic Precision Polymerization: The Search for the Perfect iPP Helix</i>
17.00-17.20	- CL9: Jean-Charles Buffet (U-Oxford, UK) <i>Group 4 permethylindenyl constrained geometry complexes for olefins (co)polymerisation</i>
17.20-17.40	- CL10: Wen-Hua Sun (ICCAS, Beijing, China) <i>Strictly Linear and Hyperbranched Polyethylenes Attainable Using Late Transition Metal Precatalysts</i>
17.40-18.00	- CL11: Takeshi Shiono (Hiroshima-U, Japan) <i>Synthesis and properties of gradient copolymers composed of norbornene and 1-octene</i>
18.00-18.20	Coffee break
18.20-18.35	- EP13: Philip Kenyon (U-Oxford, UK) <i>Polymerisation in Polar Solvents to (Ultra)High Molecular Weight PE</i>
18.35-18.50	- EP14: Giovanni Ricci (ISMAL-CNR, Milan, Italy) <i>[(2-Methoxyphenyl)diphenylphosphine]₂CoCl₂ and [2-(1,1-Dimethylpropyl)-6-(Diphenylphosphino)-pyridine]₂CoCl₂: synthesis, characterization and behavior in the polymerization of 1,3-dienes</i>
18.50-19.20	- IL6: Kotohiro Nomura (Tokyo Metropolitan-U, Japan) <i>'Half-Titanocene Catalysts for Synthesis of New Polyolefins by Ethylene Copolymerizations, and Solution XAS for Analysis of Active Species'</i>
19.45-21.00	Dinner
21.00-...	Poster Session 2 (with Open Bar)

Thursday, 27 June 2019 – Sorrento
(Hilton Sorrento Palace Conference Center – Sala Ulisse)

Time	Session
	6. Materials Properties and Characterizations (Chairman: Claudio De Rosa , Federico II U-Naples, Italy)
08.45-09.45	- KN8: Richard A. Register (Princeton-U, NJ, USA) <i>Polyethylene-Poly(x-Norbornene) Block Copolymers: Synthesis, Miscibility, and Properties</i>
09.45-10.00	- EP15: Rocco Di Girolamo (Federico II U-Naples, Italy) <i>Structure and morphology of isotactic polypropylene-based block copolymers prepared by Pyridylamido-Hafnium Catalyst</i>
10.00-10.15	- EP16: Alberto Ortin (Polymer Char, Valencia, Spain) <i>New tools for the challenging control of newly developed resins</i>
10.15-10.35	- CL12: Tibor Macko (Fraunhofer Institute Darmstadt, Germany) <i>New applications of liquid chromatography on separation of polyolefins and additives in polyolefins</i>
10.35-10.50	- EP17: Simon Jantač (UCT Prague, Czech Republic) <i>Comprehensive experimental and modelling study of triboelectric charging of polyethene</i>
10.50-11.10	Coffee break
11.10-11.25	- EP18: Tsutomu Uzawa (Toho Titanium, Chigasaki, Japan) <i>Synthesis of Long-Chain Branched Polypropylene Using Heterogeneous Ziegler-Natta Catalysts</i>
11.25-11.40	- EP19: Tigran Margossian (DSM Ahead, Geleen, Netherlands) <i>Particle growth of UHMWPE catalyst at different length scale</i>
11.40-12.00	- CL13: Theo Tervoort (ETH Zurich, Switzerland) <i>Polyethylene "Al Dente", Gel-Spinning of High-Performance Polyethylene Fibers from Vegetable Oils</i>
12.00-12.20	- CL14: Mike T. C. Chung (Penn State-U, Pittsburgh, PA, USA) <i>Synthesis of Polyolefin Blend with IPN Structure and Microporous Morphology; Oil-Superabsorbent for Oil Spill and Recovery</i>
12.20-12.50	- IL7: Roberto Pantani (U-Salerno, Italy) <i>Morphology distribution in complex thermomechanical environments: experiments and modeling</i>
	Lunch break
	7. Novel Catalysts and Catalytic Routes to New Materials (Chairman: Claudio Pellecchia , U-Salerno, Italy)
16.00-17.00	- KN9: Eugene Chen (Colorado State-U, USA) <i>Catalytic Routes to Sustainable Polymers with Full Chemical Recyclability for a Circular Plastics Economy</i>
17.00-17.15	- EP20: Carmine Capacchione (U-Salerno, Italy) <i>Toward more sustainable elastomers: stereoregular polymerization and copolymerization of natural linear terpenes</i>
17.15-17.30	- EP21: Hongfan Hu (PetroChina, Beijing, China) <i>High Potential Commercial Rare Earth Catalysts System with Well-Defined Structure: Ultra-high Catalytic Activity toward High-Cis Butadiene Rubber</i>
17.30-17.45	- EP22: Giovanni Talarico (Federico II U-Naples, Italy) <i>Stereoselective lactide polymerization: a challenging game</i>
17.45-18.00	- EP23: Jean Raynaud (CPE, U-Lyon, France) <i>Understanding Iron Catalysis to design Statistical and Block Copolymers from Ethylene & 1,3-diene Copolymerization</i>
18.00-18.20	Coffee break
18.20-18.50	- IL8: Christophe Boisson (CPE, U-Lyon, France) <i>Neodymium catalysts for new polyolefin materials: chain shuttling and copolymerization of ethylene with conjugated dienes</i>
18.50-19.20	- IL9: Adam S. Veige (U-Florida, USA) <i>Catalytic synthesis of cyclic polymers: commercially relevant polyolefins now available without chain ends</i>
20.00-...	DPI Poster Session (for DPI Affiliates only; with Dinner & Open Bar)

Friday, 28 June 2019 – Sorrento
(Hilton Sorrento Palace Conference Center – Sala Ulisse)

Time	Session
09.00-10.00	8. Future Trends (Chairman: Dieter Bilda , SABIC, Geleen, Netherlands) - KN10: Ted Carnahan (Dow Chemical, Freeport, TX, USA) <i>Rethinking Polyolefins in a Changing World</i>
10.00-10.20	- CL15: Antonio Vittoria (Federico II U-Naples, Italy) <i>HTE-based opportunities for mastering olefin polymerization catalysts and processes</i>
10.20-10.50	- IL10: Julie Kornfield (Caltech, Pasadena, CA, USA) <i>Refocusing polyolefin research in academia: a solicited expert opinion</i>
10.50-11.10	Coffee Break
11.10-12.10	- KN11: Maurits Van Tol (Senior VP Innovation & Technology, Borealis AG, Vienna, Austria) <i>Polyolefins: Quo Vadis?</i>
12.10-12.40	- Best-Poster Lecture
12.40-13.00	- Best-Poster Awards & Adjourn