



Sorrento (Italy), 12-16 June 2023

Preliminary Programme

(as of May 15, 2023)

The Conference is co-organized by

DPI, Eindhoven (The Netherlands)

Laboratory of Selective Polymerizations (LSP)
Federico II University of Naples (Italy)

Catalysis, Polymerisation, Processes and Materials Laboratory
Université de Lyon (France)

Department of Chemical Engineering
University of Alberta (Canada)



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Monday June 12	<i>Molecular Catalysts</i>
08.45-09.00	Opening
09.00-09.45	KNL1. Valorization of polyolefins via catalytic upcycling, from monomers to higher value molecules Susannah L. Scott, <i>U-California, Santa Barbara, CA, USA</i>
09.45-10.15	CL1. Synthesis of Ethylene Copolymers with α-Olefins Containing Hydroxy Group, and Biobased Conjugated Dienes by Half-Titanocene Catalysts Kotohiro Nomura, <i>Tokyo Metropolitan U, Japan</i>
10.15-10.45	CL2. Structure, Dynamics, Interaction with Solvents and Chain Transfer Agents of Molecular Catalysts for Olefin Polymerization Cristiano Zuccaccia, <i>U-Perugia, Italy</i>
10.45-11.15	<i>Coffee Break</i>
11.15-12.00	KNL2. Next Generation Polyolefins via Multivariate Living Coordination Polymerization Lawrence R. Sita, <i>U-Maryland, College Park, MD, USA</i>
12.00-12.30	CL3. Design of Olefin Block Copolymers based on Ethylene Butadiene Rubber Christophe Boisson, <i>U-Lyon, France</i>
12.30-13.00	CL4. 4-Ethylhex-1-ene: a new type of ethylene tetramerization via regio-selective sequential trimerization of in situ generated 1-butene Winfried Kretschmer, <i>U-Bayreuth, Germany</i>
13.00-15.30	<i>Networking time</i>
15.30-16.15	KNL3. Active sites, chain transfer, and kinetics of catalytic alkene polymerization Clark Landis, <i>U-Wisconsin, Madison, WI, USA</i>
16.15-16.45	CL5. Electrospray Ionization Mass Spectrometry (ESI-MS) of Methylaluminoxane (MAO) Activators – Scientific Curiosity or Useful Tool? Scott Collins, <i>U-Eastern Finland, Joensuu, Finland</i>
16.45-17.00	<i>Coffee Break</i>
17.00-17.30	CL6. One-step Synthesis of Hollow Spherical Polyethylene by Precipitation Polymerization Rong Gao, <i>BRICI, Sinopec Group, Beijing, China</i>
17.30-18.00	CL7. Development and characterisation of bimodal polymers via catalyst mixture approach Raffaele Bernardo, <i>Arlanxeo, Geleen, Netherlands</i>
19.30-21.00	<i>Dinner at the Hilton</i>
21.15-22.30	Exhibitors' Presentations

Tuesday June 13	<i>Heterogeneous Catalysts</i>
08.45-09.30	KNL4. Structure of Active Sites in Heterogeneous Catalysis: Quo Vadis? Christophe Coperet, <i>ETH Zürich, Switzerland</i>
09.30-10.00	CL8. Ethylene polymerization with Phillips catalyst based on Mixed Silica aggregate consists of flat-Silica and amorphous-Silica Kazuhiro Yamamoto, <i>Japan Polychem Corporation, Japan</i>
10.00-10.30	CL9. Designing Molecularly Defined Cr(III)-Alkyl Analogs to Cr-based Ethylene Polymerization Catalysts Anna Nobile, <i>ETH Zürich, Switzerland</i>
10.30-11.00	CL10. Contamination studies of chemically recycled ethylene feed streams Christian Paulik, <i>Johannes Kepler U-Linz, Austria</i>
11.00-11.30	<i>Coffee Break</i>
11.30-12.30	KNL5. HTE & data-driven approach for the development of Ziegler-Natta PP catalysts with desired properties Toshiaki Taniike, <i>JAIST, Ichikawa, Japan</i> and Giuseppe Antinucci, <i>Federico II U-Naples, Italy</i>
12.30-13.00	CL11. Spherical Ziegler-Natta PP Catalysts with Ultra-High Activity and/or Ultra-High Hydrogen Response: Understanding the Nature of Active Sites and Industrial Applications Jijia Xie, <i>BRICI, Sinopec Group, Beijing, China</i>
13.00-13.15	Elevator Pitch EP1
13.15-13.30	Elevator Pitch EP2
13.30-15.30	<i>Networking time</i>
15.30-16.15	KNL6. Spectroscopy and Microscopy of Supported Olefin Polymerization Catalysis: Towards a Better Understanding of Catalyst Activation and Fragmentation Bert Weckhuysen, <i>U-Utrecht, Netherlands</i>
16.15-16.45	CL12. Unraveling the effects of donors in Ziegler-Natta catalysis through a combined HTE and ML approach Felicia Daniela Cannavacciuolo, <i>Federico II U-Naples, Italy</i>
16.45-17.00	<i>Coffee Break</i>
17.00-17.45	KNL7. Multiscale approach to particle fragmentation: how micro-properties affect the macro-behaviour Alexandra Albunia, <i>Borealis Polyolefine GmbH, Linz, Austria</i>
17.45-18.15	CL13. Towards <i>In-situ</i> Thermometry of Olefin Polymerization Catalysis Joren M. Dorresteyn, <i>U-Utrecht, Netherlands</i>
19.30-20.45	<i>Dinner at the Hilton</i>
21.00-23.30	Poster Session 1 & Open Bar

Wednesday June 14	<i>Modelling & Simulation</i>
08.45-09.45	KNL8. Modern computer aided approaches to rationalize and predict olefin polymerization catalysis Luigi Cavallo, <i>U-Salerno, Italy / KAUST, Thuwal, Saudi Arabia</i> and Christian Ehm, <i>Federico II U-Naples, Italy</i>
09.45-10.15	CL14. High performance polyethylene catalyst by intelligent model based on machine learning Wenhong Yang, <i>Petrochina, Beijing, China</i>
10.15-10.30	Elevator Pitch EP3
10.30-10.45	Elevator Pitch EP4
10.45-11.15	<i>Coffee Break</i>
11.15-11.45	CL15. Poisoning Effect of Polar Monomers and Ethylene Polymerization Mediated by Late Transition Metals: Data-Driven QSPRs Yi Luo, <i>Petrochina, Beijing, China</i>
11.45-12.00	Elevator Pitch EP5
12.00-12.15	Elevator Pitch EP6
12.00-12.30	CL16. Pushing forward coupled matrix-based Monte Carlo simulations for polymer circularity Dagmar R. D'hooge, <i>Lab. Chemical Technology, Ghent, Belgium</i>
12.30-13.00	CL17. Single Particle Growth, Fragmentation and Morphology Modelling: A DEM Approach Vasileios Touloupidis, <i>Borealis GmbH, Linz, Austria</i>
13.00-13.30	CL18. Peculiarities of the High-Temperature Polymerization of Ethylene using TiCl₄-VOCl₃ Catalysts Harshad Patil, <i>Reliance Industries Ltd, India</i>
13.30-15.30	<i>Networking time</i>
	<i>Polymer Reaction Engineering</i>
15.30-16.15	KNL9. Thermodynamic Modeling and Simulation of Catalytic Polyolefin Reactors: What Can We Learn and What Is Missed? Arash Alizadeh, <i>U-Alberta, Edmonton, Canada</i>
16.15-16.45	CL19. Solid-Liquid Equilibria in Polyethylene and Modelling of Wax Production for Multimodal HDPE Slurry Plants Francisco Perez, <i>SABIC, Geleen, Netherlands</i>
16.45-17.00	<i>Coffee Break</i>
17.00-17.45	KNL10. What is known about electrostatic charging and sheeting in gas-phase polyethylene reactors Poupak Mehrani, <i>U-Ottawa, Canada</i>
17.45-18.30	KNL11. Scale-up Methodologies for Developing Novel Polymeris Hsu Chiang, <i>ExxonMobil Chemical, Houston, TX, USA</i>
19.30-20.45	<i>Dinner at the Hilton</i>
21.00-23.30	Poster Session 2 & Open Bar

Thursday June 15	<i>Materials Science</i>
08.45-09.30	KNL12. From molecular distribution to rheology (and back?) Daniel Read, <i>U-Leeds, UK</i>
09.30-10.00	CL20. A versatile and customizable low-cost 3D-printed multipass microrheometer for high-throughput polymers rheological experimentation Daniele Tammaro, <i>Federico II U-Naples, Italy</i>
10.00-10.30	CL21. High-Impact and Low-Wear Polyethylene Materials: Preparation and Properties Shixuan Xin, <i>Petrochina, Beijing, China</i>
10.30-11.00	CL22. Separation tools for the understanding of polyolefins microstructure Tonica González, <i>PolymerChar, Paterna (Spain)</i>
11.00-11.30	<i>Coffee Break</i>
11.00-11.45	KNL13. Fast analytics for polyolefin microstructure assessment Roberta Cipullo, <i>Federico II U-Naples, Italy</i>
12.00-12.30	CL23. Controlled polymerizations of ethylene and polymerization-induced self-assembly of PE-based block copolymers Frank D'Agosto, <i>ChemistLab, Villeurbanne, France</i>
12.30-13.00	CL24. Tailoring the Segregation Strength and the Mechanical Properties in Olefin-Based Multiblock Copolymers by Chain Shuttling Polymerization Gaia Urciuoli, <i>Federico II U-Naples, Italy</i>
13.00-15.30	<i>Networking Time</i>
15.30-16.15	KNL14. Fatigue crack propagation in polyethylene: influence of load, temperature and molecular weight distribution Theo Tervoort, <i>ETH Zürich, Switzerland</i>
16.15-16.45	CL25. Single crystal formation of ultra-high molar mass polymers during polymerization Sanjay Rastogi, <i>KAUST, Thuwal, Saudi Arabia</i>
16.45-17.00	<i>Coffee Break</i>
17.00-17.30	CL26. High-Throughput Experimentation (HTE) for Catalytic Olefin Polymerizations: From Catalysis to Materials Antonio Vittoria, <i>Federico II U-Naples, Italy</i>
17.30-17.45	Elevator Pitch EP7
17.45-18.00	Elevator Pitch EP8
19.00-23.30	(Closed) DPI Poster Session & Open Bar

Friday June 16	<i>Sustainability and Circular Economy</i>
08.45-09.30	KNL15. Technology innovation to enable polymer circularity and sustainability leadership <i>Gabriele Mei, Lyondellbasell, Ferrara, Italy</i>
09.30-10.15	KNL16. Sustainability setting the stage for transformation of the Chemical Industry <i>Frank Kuijpers, SABIC, Sittard, The Netherlands</i>
10.15-10.30	Elevator Pitch EP9
10.30-10.45	Elevator Pitch EP10
10.45-11.15	<i>Coffee Break</i>
	<i>Best-Posters Award Lectures</i>
11.15-11.30	Best Poster Award Lecture #3
11.30-11.45	Best Poster Award Lecture #2
11.45-12.15	Best Poster Award Lecture #1
12.15-12.45	Best Posters Awards Ceremony & Adjourn

Provisional List of Poster Presentations

#	Presenting Author	Co-Author(s)	Title
1.	Samy Alioui <i>U-Lyon, France</i>	Marvin Langlais, Nicolas Baulu, Karima Habhab, Robert Ngo, Severin Dronet, François Jean-Baptiste-dit-Dominique, Damien Montarnal, Franck D'Agosto, Christophe Boisson	New Thermoplastic Elastomers based on Ethylene-Butadiene Rubber (EBR) by Switching from Anionic to Coordinative Chain Transfer Polymerization
2.	Abdulaziz Alsubhi <i>KAUST, Thuwal, Saudi Arabia</i>	Dario Romano, Sanjay Rastogi	Synthesis and solid state processing of low-entangled Ultra High Molecular Weight <i>isotactic</i> Polypropylene for Ultimate Mechanical Properties
3.	Giuseppe Antinucci <i>Federico II U-Naples, Italy</i>	Felicia Daniela Cannavacciuolo, Christian Ehm, Roberta Cipullo, Vincenzo Busico	Ziegler-Natta Catalysts for Propene Polymerization: An Evolutionary Bridge between Heterogeneous and Molecular Catalysis
4.	Giuseppe Antinucci <i>Federico II U-Naples, Italy</i>	Antonio Vittoria, Christian Ehm, Georgy P. Goryunov, Pavel S. Kulyabin, Dmitry V. Uborsky, Alexander Z. Voskoboynikov, Peter H. M. Budzelaar, Vincenzo Busico, Roberta Cipullo	Backbone stiffening in [OOOO]-type complexes and the effect on polymerization performance
5.	Maximilian Baur <i>U-Konstanz, Germany</i>	Rosa Habé, Stefan Mecking	Keto-polyethylene dispersions from catalytic non-alternating co-polymerization of ethylene and carbon monoxide in aqueous media
6.	Felipe M. Bolner <i>CP2M, CPE Lyon, France</i>	Sébastien Norsic, Vincent Monteil, Timothy F. L. McKenna, Jean Raynaud	Development of Novel Iron-Based Ziegler-Natta-type Catalysts for Ethylene Polymerization
7.	Peter H. M. Budzelaar <i>Federico II U-Naples, Italy</i>	Christian Ehm, Giuseppe Antinucci, Antonio Vittoria, Anna Dall'Anese, Georgy P. Goryunov, Pavel S. Kulyabin, Dmitry V. Uborsky, Alexander Z. Voskoboynikov, Cristiano Zuccaccia, Alceo Macchioni, Roberta Cipullo Vincenzo Busico	Database integrity and the identifications of unicorns and chimeras: influence on validity of QSAR/ machine learning models
8.	Martin Bureš <i>U-Prague, Czech Republic</i>	Lenka Krajková, Alexadr Zubov, Juraj Kosek	Modelling of homogeneous polymerization catalysis: effect of mass transport limitations on reaction kinetics and polymer microstructure
9.	Vincenzo Busico <i>Federico II U-Naples, Italy</i>		Integrating High Throughput Experimentation and Machine Learning: a powerful asset in polyolefin R&D?
10.	Hiroki Chikuma <i>JAIST, Ichikawa, Japan</i>	Gentoku Takasao, Jörg Behler, Toshiaki Taniike	Accelerating structure determination of MgCl ₂ /TiCl ₄ nanoplate for Ziegler-Natta catalysts with a high-dimensional neural network potential
11.	Roberta Cipullo <i>Federico II U-Naples, Italy</i>	Antonio Vittoria, Christian Ehm, Giuseppe Antinucci, Georgy P. Goryunov, Pavel S. Kulyabin, Dmitry V. Uborsky, Alexander Z. Voskoboynikov, Peter H. M. Budzelaar, Vincenzo Busico	The triptycene-motif in ETM olefin polymerization catalysis

12.	Scott Collins <i>U-Eastern Finland, Joensuu, Finland</i>	Mikko Linnolahti, Janne Hirvi	Metallocene Dichloride Catalyst Activation using Methylaluminoxane (MAO): A DFT Study
13.	Scott Collins <i>U-Eastern Finland, Joensuu, Finland</i>	Mikko Linnolahti	Methylaluminoxane (MAO): Sheet vs. Cage Motifs and their Reactivity
14.	Anna Dall'Anese <i>U-Perugia, Italy</i>	Christian Ehm, Dmitry V. Uborsky, Roberta Cipullo, Alexander Z. Voskoboynikov, Vincenzo Busico, Alceo Macchioni, Cristiano Zuccaccia	Structural analysis, dynamics and reactivity of Zr and Hf Salan complexes
15.	Saman Damavandi <i>Regal Petrochemical Company, Iran</i>	Ahmad Soleimannezhad, Hamidreza Rejali, Ali Rejali, Mehdi Mousavi	Ziegler Natta catalyst carrier morphology improvement for gas phase propylene polymerization
16.	Saman Damavandi <i>Regal Petrochemical Company, Iran</i>	Hamidreza Rejali, Ali Rejali, Ahmad Soleimannezhad, Mehdi Mousavi, N. Ranjbar	Industrial approach for homogeneous Suspension of Ziegler Natta catalyst used in propylene polymerization
17.	Joao Marcos da Silveira <i>JAIST, Ichikawa, Japan</i>	Hiroki Chikuma, Gentoku Takasao, Toshiaki Taniike	Machine learning-aided structure determination of Ziegler-Natta catalyst with donors
18.	Diego De Canditiis <i>Federico II U-Naples, Italy</i>	Felicia Daniela Cannavacciuolo , Giuseppe Antinucci, Roberta Cipullo, Vincenzo Busico, Mostafa Khoshsefat, Patchanee Chammingkwan, Toshiaki Taniike, Ziyun Zhang, Laura Falivene, Luigi Cavallo	Monitoring the kinetics of internal donor reactivity toward AlR_3 : solution vs surface studies
19.	Christian Ehm <i>Federico II U-Naples, Italy</i>	Roberta Cipullo, Giuseppe Antinucci, Antonio Vittoria, Georgy P. Goryunov, Pavel S. Kulyabin, Dmitry V. Uborsky, Alexander Z. Voskoboynikov, Peter H. M. Budzelaar, Vincenzo Busico	Electronic effects in early transition metal catalyzed olefin polymerization and the connection of regioselectivity and comonomer affinity
20.	Christian Ehm <i>Federico II U-Naples, Italy</i>	Giuseppe Antinucci, Antonio Vittoria, Georgy P. Goryunov, Pavel S. Kulyabin, Dmitry V. Uborsky, Alexander Z. Voskoboynikov, Peter H. M. Budzelaar, Vincenzo Busico, Roberta Cipullo	A generalized model for stereoselectivity of C2-symmetric olefin polymerization catalysts
21.	Mauro Ferrara <i>Federico II U-Naples, Italy</i>	Davide De Falco , Christian Ehm, Antonio Vittoria, Ayman Abdullah Alluhaidan, Eric Cuthbert, Koen Wynand Bossers, Samuel Bentum, Linda Havermans, Nic. Friederichs, Giuseppe Izzo, Peter H. M. Budzelaar, Roberta Cipullo, Francesco Calabrò, Vincenzo Busico	Combined Digitalization and Machine Learning Efforts: the α -Olefin Polymerization High-Throughput Experimentation Showcase
22.	Amelie Fuchs <i>U-Konstanz, Germany</i>	Stefan Mecking	Cobalt mediated copolymerization of carbon monoxide to in-chain functionalized polyethylene
23.	Francesca Gentile <i>U-Salerno, Italy</i>	Roberto Pantani	Effect of biaxial orientation processing on polyethylene film morphology
24.	Alexander Goller <i>U-Bayreuth, Germany</i>	Johannes Obenauf, Winfried P. Kretschmer, Rhett Kempe	The highly controlled and efficient polymerization of ethylene
25.	Lukas Göpperl <i>Johannes Kepler U-Linz, Austria</i>	Christian Paulik	Branched comonomers in LLDPE - Influence of SCB shapes on crystallinity

26.	Nino Grizzuti <i>Federico II U-Naples, Italy</i>	Vincenzo Ianniello, Salvatore Costanzo, Rossana Pasquino, Giovanni Ianniruberto, Theo Tervoort	Investigating the MWD of UHMW Polyolefins via Solution Rheology
27.	Adriano Guida <i>Federico II U-Naples, Italy</i>	Finizia Auriemma	Basic characterization of polyethylene pure grades and corresponding blends intended for biaxially stretching process
28.	Hongfan Hu <i>Petrochina, Beijing, China</i>	Di Kang, Rongqing Ma and Shixuan Xin	Drives for Cationic Rare Earth Catalysts in Butadiene Rubber Production: Effective Activation Route and Chain Transfer Strategy
29.	Steffen Iberl <i>U-Konstanz, Germany</i>	Stefan Mecking	Alternative Catalyst Systems for the Catalytic Insertion Copolymerization of Ethylene and Carbon Monoxide to Keto-Polyethylene
30.	Teresa Iovine <i>Federico II U-Naples, Italy</i>	Gianluigi Galasso, Georgy P. Goryunov, Pavel S. Kulyabin, Anna Dall'Anese, Antonio Vittoria, Christian Ehm, Dmitry V. Uborsky, Cristiano Zuccaccia, Alceo Macchioni, Roberta Cipullo, Alexander Z. Voskoboynikov, Vincenzo Busico	Manipulation of Pre-Equilibria in Olefin Polymerization Catalysis: Backbone Stiffening Converts Living into a Highly Active Salan-type Catalyst
31.	Yuya Kakiuchi <i>ETH Zürich, Switzerland</i>	Sebastian Sabisch, Alexander Yakimov, Scott Docherty, Christophe Copéret	Surface Sites of V-based Olefin Polymerization Ziegler-Natta Pre-catalyst – $\text{VOCl}_3\text{-MgCl}_2$ – from ^{51}V ssNMR
32.	Vít Kolomazník <i>Polymer Institute Brno, Czech Rep.</i>	Miroslav Skoumal, Igor Cejpek	Effect of Pre-polymerization of Diether-Based Ziegler-Natta Catalyst in Propene Bulk Polymerization
33.	Mostafa Khoshsefat <i>JAIST, Ichikawa, Japan</i>	P. Chammingkwan, T. Taniike, F.D. Cannavacciuolo, G. Antinucci, V. Busico	Structure-property relationship of malonate donors in Ziegler-Natta catalysts for propylene polymerization
34.	Winfried P. Kretschmer <i>U-Bayreuth, Germany</i>	Patrick Wolff, André Dickert, Rhett Kempe	iPP-grafted-PE multiblock copolymers for plastic blend recycling synthesized by coordinative chain transfer polymerization
35.	Winfried P. Kretschmer <i>U-Bayreuth, Germany</i>	Patrick Wolff, Rhett Kempe	Synthesis of PE-iPP diblock copolymers via chain transfer polymerization and plastic blend recycling
36.	Tim Lenz <i>TU-Munich, Germany</i>	Lucas Stieglitz, Bernhard Rieger	Perfectly Isotactic Polypropylene upon In Situ Activation of Ultrarigid meso Metallocenes
37.	Nina Mast <i>U-Konstanz, Germany</i>	Stefan Mecking	Gas Phase Copolymerization to In-Chain Functionalized Polyethylenes
38.	Timothy McKenna <i>CP2M, CPE Lyon, France</i>	Roberta Lopes do Rosario, Fotios Christakopoulos, Theo A. Tervoort,	Disentangled UHMWPE - Control of Crystallization, Chain Entanglement via Process Conditions
39.	Timothy McKenna <i>CP2M, CPE Lyon, France</i>	Roberta Lopes do Rosario, Fotios Christakopoulos, Theo A. Tervoort	Characterization of disentangled UHMWPE
40.	Timothy F.L. McKenna <i>CP2M, CPE Lyon, France</i>	Kusuma Kulajanjeng, Nida Sheibat, Wiwut Tanthapanichakoon	Experimental Study of Multicomponent Solubility in Polypropylene

41.	Timothy F.L. McKenna <i>CP2M, CPE Lyon, France</i>	Kusuma Kulajanpeng , Nida Sheibat, Wiwut Tanthapanichakoon,	Modelling of a Multizone Circulating Reactor for Propylene Polymerization
42.	Timothy F. L. McKenna <i>CP2M, CPE Lyon, France</i>	Abdulrahman Albeladi, Akhlaq Moman	Impact of Process Poisons on the Performance of Post-Phthalate Supported Ziegler Natta Catalysts in Gas Phase Propylene Polymerization
43.	Yusuke Mitsushige <i>Japan Polychem Corporation, Japan</i>	Naomichi HIRAMA	Synthesis of polar polyolefins using allyl-free Ni/ALPHA catalysts
44.	Dario Romano <i>KAUST, Thuwal, Saudi Arabia</i>	Sanjay Rastogi	Low entangled ultra-high molecular weight polymers: synthesis, characterization and processing
45.	Julia Felicitas Schwarz <i>Johannes Kepler U-Linz, Austria</i>	Thorsten Holtrichter-Rößmann, Christian Paulik	Modified magnesium alkyls used for Ziegler-Natta catalysts
46.	Takeshi Shiono <i>Hiroshima-U, Japan</i>	A. E. Kazuki, Hirotaka Nagai, Tomoyasu Kawahara, Ryo Tanaka, Yuushou Nakayama	Inhomogeneity of Methylaluminoxane-Based Solid Cocatalysts for Olefin Polymerization
47.	Nicholas E. Smith <i>U-Wisconsin@Madison, WI, USA</i>	Clark R. Landis	Rescuing Dormant Sites In Copolymerization of Ethene and Octene
48.	Joao Soares <i>U-Alberta, Edmonton, Canada</i>	Timothy F. L. McKenna	A Conceptual Multilevel Approach to Polyolefin Reaction Engineering
49.	Ilaria Squillante <i>U-Groeningen, Netherlands</i>	Giuseppe Portale	Structure-Property correlation of Tenter-Frame Biaxially Oriented Polyethylene
50.	Wojciech Szot <i>Gdansk U-Technology, Poland</i>	Miloud Bouyahyi, Lidia Jasinska-Walc, Rob Duchateau	Potential And Risk Of Functional Polyolefins As Tomorrow's Materials – Catalytic Aspects Of Synthesis And Applications
51.	Gaia Urciuoli <i>Federico II U-Naples, Italy</i>	Francesco Zaccaria, Cristiano Zuccaccia, Roberta Cipullo, Peter H. M. Budzelaar, Antonio Vittoria, Christian Ehm, Alceo Macchioni, Vincenzo Busico	Well-defined and "complete" Al-cocatalysts for Olefin Polymerization, 2: HTE screening in Olefin polymerization
52.	Antonio Vittoria <i>Federico II U-Naples, Italy</i>	Christian Ehm, Giuseppe Antinucci, Georgy P. Goryunov, Pavel S. Kulyabin, Dmitry V. Uborsky, Alexander Z. Voskoboynikov, Peter H. M. Budzelaar, Vincenzo Busico, Roberta Cipullo	A global molar mass capability model for early transition metal olefin polymerization catalysts
53.	Toru Wada <i>JAIST, Ichikawa, Japan</i>	Patchanee Chamminkwan, Toshiaki Taniike	Computational investigation on distribution of Cr species supported on amorphous SiO ₂
54.	Francesco Zaccaria <i>Federico II U-Naples, Italy</i>	Gaia Urciuoli, Cristiano Zuccaccia, Roberta Cipullo, Peter H. M. Budzelaar, Antonio Vittoria, Christian Ehm, Alceo Macchioni, Vincenzo Busico	Well-defined and "complete" Al-cocatalysts for Olefin Polymerization, 1: Synthesis and Reactivity Studies