

*FINAL PROGRAM**Monday, October 21**8:00-8:15 Registration*

8:15-8:30 Opening: **Prof. Alejandro J. Müller**

**Session 1 Chair Person: Alejandro J. Müller**

8:30-9:00 **Prof. Rufina Alamo**. Florida State University, USA. "Polymorphism and crystallization kinetics of precision polyethylenes"

9:00-9:30 **Prof. Claudio De Rosa**. University of Naples Federico II, Italy. "Controlling crystallization and properties of polyolefins through design of the molecular structure and of suitable bias"

9:30-10:00 **Prof. Friedrich Kremer**. Leipzig University, Germany. "The fingerprints of homogeneous nucleation and crystallization in polyamide-66 as studied by combined InfraRed (IR) spectroscopy and fast scanning chip calorimetry"

10:00-10:30 **Prof. Dario Cavallo**. University of Genoa, Italy. "Nucleation of poly(lactide), poly(butylene succinate) and poly( $\epsilon$ -caprolactone) ternary blends with partial wetting"

*10:30-11:15 Coffee Break***Session 2 Chair Person: Rufina Alamo**

11:15- 11:45 **Prof. Christoph Schick**, Kazan Federal University, Russian Fed. "Homogeneous crystal nucleation in polymers-Nucleation kinetics and thermal stability of nuclei"

11:45-12:15 **Prof. Dimitri Ivanov**. Haute-Alsace University, France. "Monitoring crystallization and melting with millisecond time resolution: In-situ combination of micro-focus X-ray scattering and ultra-fast scanning chip calorimetry"

12:15-12:45 **Prof. Gregory C. Rutledge**. Massachusetts Institute of Technology, USA. "Flow Induced Crystallization: Insights from Molecular Simulations"

*12:45-14:30 Lunch Break (Palacio Miramar)***Session 3 Chair Person: Gregory Rutledge**

14:30-15:00 **Prof. Murugappan Muthukumar**. University of Massachusetts, USA. "Molecular mechanisms of crystallization, recrystallization, melting and melt memory"

15:00-15:30 **Prof. Kay Saalwächter**. Martin-Luther University, Germany. "Role of entanglements and intracrystalline dynamics in bulk polymer crystallization"

15:30-16:00 **Prof. Jens-Uwe Sommer**. Leibniz-Institute of Polymer Research (IPF), Germany. "The role of entanglements for polymer crystallization"

16:00-16:30 **Prof. Juan Francisco Vega**, IEM, Consejo Superior de Investigaciones Científicas, Spain. "New findings in polyethylene single crystals"

*16:30-18:30 Poster session with refreshments.**Tuesday, October 22**8:00-8:15 Registration***Session 4 Chair Person: Thomas Thurn-Albrecht**

8:30-9:00 **Prof. Sono Sasaki**. Kyoto Institute of Technology, Japan. "Electron density distribution imaging for crystal structure of linear polymers by maximum entropy method"

9:00-9:30 **Prof. Pengju Pan**. Zhejiang University, China. "Unique homocrystalline phase formed in stereocomplexable polymers"

9:30-10:00 **Prof. Go Matsuba**. Yamagata University, Japan. "Crystallization of polyurea"

10:00-10:30 **Prof. Maria Laura Di Lorenzo**, Institute of Polymers, Composites and Biomaterials, CNR-IPCB, Italy. "Crystallization and properties of poly(lactic acid)"

*10:30-11:15 Coffee Break***Session 5 Chair Person: Maria Laura Di Lorenzo**

11:15-11:45 **Prof. Suichi Nojima**. Tokyo Institute of Technology, Japan. "Crystallization of homopolymers and block chains spatially confined in nanodomains"

11:45-12:15 **Prof. Xiaoli Sun.** Beijing University of Chemical Technology, China. "Influence of crystallization condition on the ferroelectric properties of P(VDF-TrFE) thin film on single layer graphene"

12:15-12:45 **Prof. Guoming Liu.** Institute of Chemistry CAS (ICCAS), China. "Confined crystallization of polymers in 1D nanocylinders"

*12:44-14:30 Lunch Break (Palacio Miramar)*

**Session 6 Chair Person: Kay Saalwächter**

14:30-15:00 **Prof. Thomas Thurn-Albrecht,** Martin-Luther University, Germany. "Microscopic observation of interface-induced crystallization via prefreezing in polymers melts"

15:00-15:30 **Prof. Akihiko Toda,** Hiroshima University, Japan. "Hoffman-Weeks, Gibbs-Thomson, and thermal Gibbs-Thomson plots of polymer crystallization and melting utilizing FSC and SAXS"

15:30:16:00 **Prof. Masamichi Hikosaka.** Hiroshima University, Japan. "Universality of the formation of nano oriented crystals (NOCs) of crystalline polymers from the oriented melt under elongational crystallization"

16:00: 16:30 **Prof. Toshikazu Miyoshi.** Akron University, USA. "Intramolecular and intermolecular packing in polymer crystallization".

*16:30-18:30 Poster session with refreshments.*

*20:00 Conference dinner at Hotel de Londres, Zubieta Kalea, 2. San Sebastián (at "La Concha" beach front)*

Wednesday, October 23

*8:00-8:15 Registration*

**Session 7 Chair Person: Gerrit Peters**

8:30-9:00 **Prof. Yongfeng Men.** Changchun Institute of Applied Chemistry, CAS. China. "Role of amorphous phase in crystalline polymers"

9:00-9:30 **Prof. Liangbin Li,** University of Science and Technology of China. "Flow induced crystallization of polymers at real processing and service conditions"

9:30-10:00 **Prof. Wenbing Hu,** Nanjing University, China. "Molecular modeling of polymer crystallization under biaxial stretching"

10:00-10:30 **Prof. Roberto Pantani.** University of Salerno, Italy "Modelling morphology evolution for a PP in processing (=very complex) conditions".

*10:30-11:15 Coffee Break*

**Session 8 Chair Person: Wenbing Hu**

11:15-11:45 **Prof. Günter Reiter.** Freiburg University, Germany. "A nucleation mechanism leading to stacking of correlated lamellar crystals in polymer thin films".

11:45-12:15 **Prof. Ewa Piorkowska,** Polish Academy of Sciences, Lodz, Poland. "Crystallization of nucleated polypropylene and polypropylene nanocomposites under high pressure"

12:15-12:45 **Prof. Sanjay Rastogi.** Maastricht University, The Netherlands. "Entanglements and melting kinetics"

*12:44-14:30 Lunch Break (Palacio Miramar)*

**Session 9 Chair Person: Ewa Piorkowska**

14:30-15:00 **Prof. Christopher Li.** Drexel University, USA. "Shape-Symmetry incommensurate polymer crystals"

15:00-15:30 **Prof. Joerg Kressler.** Martin-Luther University, Germany. "Crystallization of polymers on aqueous surfaces"

15:30-16:00. **Prof. Jiro Kumaki.** Yamagata University, Japan. "In Situ Real-Time Observation of Polymer Folded-Chain Crystallization by Atomic Force Microscopy at the Molecular Level"

16:00-16:30. **Prof. Gerrit Peters.** Eindhoven University of Technology, The Netherlands. "Quantification and modeling of multi-phase crystallization of polyamide 12"

*16.30 Closing and Awards for the best posters*