

# International Polymer Colloids Group Conference 2019

June 23– June 28, 2019

Chair: Pauline Pei Li  
Vice Chair: Bernd Reck  
Local organization: Alex van Herk

Location Sentosa Siloso Beach Resort, Sentosa Island, Singapore

**Address:** 51 Imbiah Walk, Sentosa, 099538

**Phone:** +65 6722 3333

## Sunday 23<sup>rd</sup> of June

*Check-in after 3:00pm*

6:00pm -7:30pm      [Dinner in Siloso Resort](#)

7:30pm - 9:40pm      **Session Title: Polymer Colloids for Coatings**

Discussion Leader: Pauline Pei Li

7:30pm – 7:40pm      Opening speech Chair Pauline Pei Li

7:40pm - 8:40pm      **Prof. Jose R. Leiza**  
University of the Basque Country UPV/EHU Spain  
**Functional waterborne polymer dispersions for advanced coating applications**

8:40pm - 9:40pm      **Prof. Walter Richtering**  
RWTH Aachen University, Germany  
**Adaptive Microgels as versatile soft materials: from bulk to coatings**

## Monday 24<sup>th</sup> of June

- 7:00am **Breakfast**
- 9:00am - 12:30pm **Session Title: Synthesis of Polymer Colloids I**  
Discussion Leader: Alex van Herk
- 9:00am - 10:00am **Prof. Henmei Ni**  
Department of Polymer Science, School of Chemistry and Chemical Engineering,  
Southeast University Nanjing, P.R. China  
**Hydrophobic interaction and mechanism of particle formation in the heterophase polymerization**
- 10:00am - 10:30am **Break**
- 10:30am - 11:30am **Prof. Atsushi Goto**  
Division of Chemistry & Biological Chemistry, Nanyang University of Singapore,  
Singapore  
**Synthesis of Nano-Particles and Nano-Capsules via Organocatalyzed Living Radical Polymerization**
- 11:30am - 12:30pm **Dr. Brian Hawkett**  
Key Centre for Polymer Colloids, The University of Sydney, Australia  
**Update on Disperse Phase RAFTing at KCPC**
- 12:30pm – 1:30pm **Lunch**
- 6:00pm – 7:30 pm **Dinner in Siloso Resort**
- 7:30pm - 9:30pm **Session Title: Synthesis of Polymer Colloids II**  
Discussion Leader: Per Zetterlund
- 7:30pm - 8:30pm **Prof. Michael Monteiro**  
Australian Institute for Bioengineering and Nanotechnology (Australia), The  
University of Queensland, Australia  
**Building complex polymer nanostructures via the TDMT method**
- 8:30pm - 9:30pm **Dr. Francois Ganachaud**  
Institut National des Sciences Appliquées de Lyon, France  
**An Universal Process to Trigger Complex Encapsulation**

## Tuesday 25<sup>th</sup> of June

- 7:00am **Breakfast**
- 9:00am - 12:30pm **Session Title: Polymer and Particle Assembly**  
Discussion Leader: Matthias Ballauf
- 9:00am - 10:00am **Dr. Andrew David Hollingsworth**  
Department of Physics, New York University, USA  
**Organofunctional-alkoxysilanes as a versatile monomer for colloid synthesis and assembly**
- 10:00am - 10:30am **Break**
- 10:30am - 11:30am **Dr. Bridgette Budhlall**  
Department of Plastic Engineering, University of Massachusetts Lowell (UMASS-Lowell) USA  
**Directed Assembly of Colloidal Particles of Poly(3-hexylthiophene) in AC Electric Fields**
- 11:30am - 12:30pm **Dr. Praveen Thoniyot**  
Institute of Chemical and Engineering Sciences, A\*Star, Singapore  
**Active driven spontaneous assembly of block co-polymers into polymer colloids: A versatile and environmentally friendly approach for encapsulation**
- 12:30pm - 1:30pm **Lunch**
- 4:30pm - 6:00 pm **Wine tasting**
- 6:00pm - 7:30 pm **Dinner in Siloso Resort**
- 7:30pm - 9:30pm **Session Title: Complex Nanostructures**  
Discussion Leader: Mohamed El-Aasser
- 7:30pm - 8:30pm **Dr. Chee Cheong Ho**  
Faculty of Engineering & Science, Universiti Tunku Abdul Rahman, Malaysia  
**Unravelling the Nanostructure of the Hevea Rubber Latex Particles**
- 8:30 pm - 9:30pm **Prof. Guanghui Ma**  
Chinese Academy of Science, Institute of Process Engineering Beijing, China  
**Uniform biocompatible polymer microsphere and microcapsule: preparation, bio-application and industrialization**

## Wednesday 26<sup>th</sup> of June

- 7:00am [Breakfast](#)
- 9:00am - 12:30pm **Session Title: Industrial Applications of Polymer Colloids**  
Discussion Leader: Bernd Reck
- 9:00am - 10:00am **Dr. Zhenli Wei**  
Synthomer, Head of Research & Development, Asia | R&D, MANAGEMENT,  
Malaysia  
**Alternative “Green” crosslinking systems (S, accelerator and metal free)  
for XNBR latex**
- 10:00am - 10:30am [Break](#)
- 10:30am - 11:30am **Dr. Pierre Emmanuel Dufils**  
Solvay, Senior Scientist, Novecare - Technology Center Europe  
**Polymer synthesis in dispersed media at Solvay using RAFT/MADIX**
- 11:30am - 12:30pm **Mr. Frederic Bossan**  
Managing director & Co-founder of Xenocs  
**Applications of SAXS/WAXS in Polymer Colloids using latest equipment  
developments**
- 12.30pm - 1.30pm [Lunch](#)
- 1:45pm - 3:00pm **IPCG Members Meeting**
- 5.30pm - 7.00pm [Hawker center dinner](#)
- 7:30pm - 10:30pm **Evening Presentations**  
Discussion Leader: Stefan Bon
- 7:30pm - 8:00pm Winning Student Presentation
- 8:00pm - 8:30pm “EASE Presentation”
- 8:30pm – 10.30pm **Poster Session**

## Thursday 27<sup>th</sup> of June

- 7.00am **Breakfast**
- 9:00am - 9:20am Election of Vice-chair for 2021
- 9:20am - 12:40pm **Session Title: Advanced Applications of Polymer Colloids I**  
Discussion Leader: Michael Cunningham
- 9:20am - 10:20 am **Dr Guojun Liu**  
Queens University, Department of Chemistry, Canada  
**NP-GLIDE Coatings from Graft Copolymer Micellar Precursors for Practical Applications**
- 10:20am - 10:40am **Break**
- 10:40am - 11:40am **Prof. Rob Pelton**  
Department of Chemical Engineering McMaster University, Canada  
**Polymer colloids as flotation collectors**
- 11:40am - 12:40pm **Prof. Pramuan TANGBORIBOONRAT**  
Department of Chemistry, Faculty of Science, Mahidol University, Bangkok, Thailand  
**Hybrid Bio-based Nanoparticles for Ameliorated Health**
- 12.40pm - 1.40pm **Lunch**
- 5.00pm - 7:00 pm **Session Title: Advanced Applications of Polymer Colloids II**  
Discussion Leader: Masayoshi Okubo
- 5:00pm - 6:00pm **Prof. Jay H. Kim**  
Department of Chemical Engineering, Yonsei University, Korea  
**The Generation of Conducting Polymers and Its Applications**
- 6:00pm - 7:00pm **Dr. Prof. Matthias Ballauff**  
Soft Matter and Functional Materials, Helmholtz-Zentrum Berlin and Institute of Physics, Humboldt-Universität zu Berlin, Germany  
**Catalysis by Metallic Nanoparticles Embedded in Polymer Nanoreactors: Comparison of Theory and Experiment**
- 7.20pm - **Conference dinner Shangri-La Rasa Sentosa Island**  
Best poster award and morals officer presentation

**Friday 28<sup>th</sup> of June** *Check out by 12:00pm noon*