

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 23rd of June

Check-in after 15.00

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 24th 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 Hawke

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:

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 25th of June

7.00am Breakfast

9:00am - 12:30pm **Session Title: Polymer and Particle Assembly**

Discussion Leader:

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: Pauline Pei Li

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 26th 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
- 11:30am - 12:30pm **tbc**
- 12.30pm - 1.30pm **Lunch**
- 5.30pm - 7.00pm Hawker center dinner
7:30pm - 10:30pm **Session Title:**
Discussion Leader:
- 7:30pm - 8:00pm **Special lecture**
- 8:00pm - 8:30pm “EASE Presentation”
8:30pm – 10.30pm **Poster Session**

Thursday 27th 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:

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:

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 28th of June Check out