# **Association in Solution IV**

St. John's, Canada 31 July - 4 August 2017

**Editors:** 

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ISBN: 978-1-5108-5739-1

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### Monday, July 31, 2017

16:00 - 17:00	Conference Check-in (Bruneau Building Atrium)
	(The check-in desk for accommodations is in Macpherson College)
17:00 - 17:15	Welcome
	Association in Solution Intro
17:15 - 17:45	Three components, four phases. What does Gibbs' phase rule state?1 Hakan Wennerström, Lund University, Sweden
17:45 - 18:15	Cellulose association in solution2 Ulf Olsson, Lund University, Sweden
18:15 - 19:45	Presentation of posters
19:00 - 20:30	Dinner
	Dinner Speaker: Shannon Lewis-Simpson, Memorial University Iron Rings: Meet the Iron Age in Newfoundland and Labrador

#### Notes and room locations

- Technical sessions will be in Room IIC 2001 in the Bruneau Building.
- Poster Sessions will be in the Bruneau Building Atrium.
- All meals will be in Hatcher House.
- Audiotaping, videotaping and photography of presentations are prohibited.
- Speakers Please have your presentation loaded onto the conference computer prior to the session start (preferably the day before).
- Speakers Please leave at least 3-5 minutes for questions and discussion.
- Please do not smoke at any conference functions.
- Turn your mobile telephones to vibrate or off during technical sessions.
- Please write your name on your program so that it can be returned to you if lost or misplaced.
- After the conference, ECI will send an updated participant list to all participants. Please check your listing now and if it needs updating, you may correct it at any time by logging into your ECI account.

# Tuesday, August 1, 2017

07:30 - 08:30	Breakfast
	<u>Electrostatics</u>
08:30 - 09:00	Light from within: Illuminating the complexity of co-assembly from the inside out3  Joris Sprakel, Wageningen University, Netherlands
09:00 - 09:30	The salt curve revisited - Electrostatic charges govern the viscoelastic properties of micellar solutions4 Peter Fischer, ETH Zurich, Switzerland
09:30 - 10:00	Polyelectrolyte/Surfactant complexes (PESCs) – versatile self-assembled systems studied with respect to their structural, dynamical and rheological properties5 Michael Gradzielski, TU Berlin, Germany
10:00 - 10:30	Coffee Break
	Capsules and Vesicles
10:30 - 11:00	Nature-inspired multi-compartment and multi-layered capsules6 Srinivasa R. Raghavan, University of Maryland, USA
11:00 - 11:30	Morphologies in vesicle-vesicle adhesion7 Masayuki Imai, Tohoku University, Japan
11:30 - 12:00	Solutions with structure for cellular delivery8 Cecilia Leal, University of Illinois, Urbana-Champaign, USA
12:00 - 13:00	Lunch
13:00 - 15:30	Discussions
15:30 - 16:00	Coffee Break
	<u>Driven Colloids</u>
16:00 – 16:30	Drying aqueous colloidal systems: Molecular interactions, self-assembly and homeostatic behavior9 Kevin Roger, CNRS/Toulouse University, France
16:30 - 17:00	Self-assembly of particles via controlled evaporation10 Basavaraja Madivala Gurappa, IIT Madras, India
17:00 - 17:30	Swimmer-Microrheology11 Shigeyuki Komura, Tokyo Metropolitan University, Japan

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18:15 – 18:45	Surfactant aggregation in hydrophobic ionic liquid to formulate microemulsions for the enhancement of the solubility of enzymes and their catalytic performance13 Xirong Huang, Shandong University, China
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07:30 - 08:30	Breakfast
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09:00 - 09:30	Phase behavior of colloid-polymer mixtures with unary or binary depletants15 Jacinta C. Conrad, University of Houston, USA
09:30 - 10:00	Inverse design of interactions for assembly16 Thomas M. Truskett, The University of Texas at Austin, USA
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14:00 - 16:00	Whale watching boat tour (Returning to Memorial University by 17:00)
18:00 - 19:00	Poster Session
19:00 - 20:30	Banquet Dinner
	Dinner speaker: Wayne Ledwell 40 years of working with fishermen releasing large whales from fishing gear in Newfoundland and Labrador

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