

Systems Chemistry Virtual Symposium Program 10–11 July 2023

Monday, July 10, 2023 (DAY 1) (CET time zone)	
Topic: Energy and information in chemical systems Chair: Larissa KS von Krbek	
14:00-14:10	Session Introduction and Panelist Presentation
14.10-14.30	Panelist 1: Leonard Prins Title: <i>“Chemically Fueled Self-Assembly Processes”</i>
14.30-14.50	Panelist 2: Annette Taylor Title: <i>“Design of reaction networks for pH oscillations in bioinspired systems”</i>
14.50-15.10	Panelist 3: Stephen Fletcher Title: <i>“From self-replicators to out-of-equilibrium self-replicators, fueled systems and oscillations”</i>
15:10-16:00 –	Panelist Discussion – with Dibyendu Das
16:00-16:30	Break
16:30-16:40	Flash Presentations: Yoshiyuki Kageyama Title: <i>“Far-from-equilibrium behavior of ten-micrometer-scale artificial chemical assemblies — Autocatalytic vesicular self-reproduction and light-powered crystalline self-oscillation”</i>
16:40-16:50	Flash Presentations: Soumen De Title: <i>“Mechanical twisting of a rotor by a photo-responsive plier”</i>
16:50-17:00	Flash Presentations: Anindita Das Title: <i>“Pathway Complexity and Microstructural Control in Supramolecular Polymerization”</i>
17:00-17:10	Break
17:10-17:20	Flash Presentations: Claudia Contini Title: <i>“Engineering synthetic cells: from soft matter to life-like behaviours”</i>
17:20-17:30	Flash Presentations: Neha Kamat Title: <i>“Recapitulating signal transduction in synthetic membranes with a bacterial two-component system”</i>
17.30-17.40	Flash Presentations: Seunghyun Sim Title: <i>“Sugar-Fueled Dissipative Living Materials”</i>
17.40-17.45	Day 1 Final Remarks & transition to gather.town
17.45-19.00	Meet the speakers / Networking on the Beach / Poster session in Gather.Town

Tuesday, July 11, 2023 (DAY 2) (CET time zone)	
Topic: Bioinspired nanotechnologies Chair: Giulio Ragazzon	
14:00-14:10	Session Introduction and Panelist Presentation
14.10-14.30	Panelist 1: Stephen Mann Title: " <i>Systems Chemistry of Life-like Objects</i> "
14.30-14.50	Panelist 2: Wilhelm Huck Title: TBD
14.50-15.10	Panelist 3: Nathalie Katsonis Title: TBD
15:10-16:00 –	Panelist Discussion – with Lauren Zarzar
16:00-16:30	Break
16:30-16:40	Flash Presentations: Evelyn Tang Title: " <i>Emergent dynamics and long timescales in macromolecules</i> "
16:40-16:50	Flash Presentations: Albert Wong Title: " <i>Signaling in Chemical Reaction Networks</i> "
16:50-17:00	Flash Presentations: C. Wyatt Shields IV Title: " <i>Active Particles for Biosensing and Drug Delivery</i> "
17:00-17:10	Break
17:10-17:20	Flash Presentations: Beatrice Collins Title: " <i>Iterative C-H Functionalisation for Processive Directionally Sequential Catalysis</i> "
17:20-17:30	Flash Presentations: Fredrik Schaufelberger Title: " <i>Bioderived Artificial Molecular Machinery made with Dynamic Covalent Chemistry</i> "
17:30-17:40	Flash Presentations: Nadja A. Simeth Title: " <i>Probing Biology with Photochemistry: Photoactive Linkers, Labels, and Building Blocks</i> "
17.40-17.45	Day 2 Final Remarks
17.45-19.00	Meet the speakers / Networking on the Beach / Poster session in Gather.Town

* Panelist Presentation: 20 min presentation relevant to panel topic & discussion (questions saved for Panel discussion)

** Panel Discussion: 50 min (first ~15 min questions about talks, ~35 discussion led by chair)

*** Flash Presentation: 8 min, 2 min Q&A after each talk