

Emergence in Chemical Systems 3.0 Poster List

Tamas Bansagi	Biochemically driven complex dynamics of particles	University of Leeds (Leeds, UK)
Stuart J. Bartlett	Avenues for Emergent Ecologies	University of Southampton (Southampton, UK)
Agnieszka Dyonizy	Aluminum Silicate Tower Colonies	Wroclaw University of Technology (Wroclaw, Poland)
Christoph Flamm	An ILP based optimization approach to find autocatalytic sub-networks and similar chemical transformation motifs in arbitrary (bio)chemical reaction networks	University of Vienna (Vienna, Austria)
Istvan Pontos and Vilmos Gaspar	Dynamics of the early stage of pattern formation in the ferrocyanide-iodate-sulfite reaction-diffusion system: branching and budding	University of Debrecen (Debrecen, Hungary)
Dezso Horvath	Flow induced precipitate patterns in metal-oxalate systems	University of Szeged
(M. Sajewicz, M. Dolnik,) T. Kowalska, (and I. R. Epstein)	Spontaneous Condensation of Amino Acids in Binary Mixtures	University of Silesia (Katowice, Poland)
Yui Matsuda (and Satoshi Nakata)	A mode-switching of benzoquinone disk which exhibits oscillatory motion depending on the UV light irradiation (A proper title will be requested)	Hiroshima University (Higashi-Hiroshima, Japan)
Daniel Merkle	Modeling chemical compounds as undirected graphs and modeling chemical reaction as graph	University of Southern Denmark (Odense, Denmark)
(M. Knas, J. Polanski,) M. Sajewicz, (and T. Kowalska)	Mass Transport in Thin-layer Chromatography as an Auxiliary for Pharmacokinetics	University of Silesia (Katowice, Poland)
Madhan R. Tirumalai	The study of the simulated microgravity on bacterial long-term evolution	University of Houston
Yui Matsuda	Photo-sensitive Self-Motion of a Benzoquinone Disk	Hiroshima University
Meilini Huang	Autocatalytic network models as a generative mechanism for the emergent patterns observed in biochemical systems	Northwestern University
Liliya Vugmeyster ¹ , Dmitry Ostrovsky ¹ , Kirsten Penland ¹ , Gina L. Hoatson ² , Robert L. Vold ² , Andrew S. Lipton ³	Modeling Glassy Dynamics of Protein Hydrophobic Core	¹ University of Alaska Anchorage; ² College of William and Mary; ³ Pacific Northwest National Laboratory

Hanna Sciegosz	Application of Wavelet Analysis to Describe the Oscillatory Processes	Opole University of Technology, Inst. Math, Phys., Chem. (Poland)
Hannah M. Kroon	Programmable growth of complex chemical structures	University of Alaska, Anchorage
Vitaliy Kaminker	Control quantitate study of tubes in chemical gardens	University of Alaska, Anchorage
Salome Scott	Growth of silicate flowers	University of Alaska, Anchorage
Christine Conwell	Exploring the Prebiotic Inventory: Working Towards Functional Biopolymers	Georgia Institute of Technology