Poster List

There will be two poster sessions:

- Session 1: Please put up the posters on Mon by 4.30 pm. Take off the posters by the end of day on Tue.
- Session 2: Please put up the posters on Wed by 4.30 pm. Take them off at the end of the session on Thu (6pm).

Display your poster at the board # indicated below. If your name does not appear in the list, or if you have other poster session related enquiries, please contact Satoshi Nakata (nakatas@hiroshima-u.ac.jp). There is space available for additional posters.

#	Session	Name	Organization	Co-Authors	Poster Title
1	Mon/Tue	Aegerter, Christof M	University of Zurich	F. Atzeni, D. Brunner, R.S. Smith	Modelling the mechanics of acto-myosin oscillations to explore tissue morphogenesis
2	Mon/Tue	Altemose, Alicia S	Pennsylvania State University	Ayusman Sen	Chemical oscillation of micromotors drives reversible assembly of colloids
3	Mon/Tue	Asakura, Kouichi	Keio University	Kento Sugita, Ayaka Kono, Tisuke Bnanno	BZ reaction catalyzed by metal ion complex coordinated by polymerizable ligand to generate polymer hydrogel
4	Mon/Tue	Awal, Naziru M	Brandeis University	Domenico Bullara, Irving R. Epstein	The Smallest Chimera: Periodicity and Chaos in a Pair of Coupled Chemical Oscillators
5	Mon/Tue	Baker, Remmi D.C.	The Pennsylvania State University	Igor Aronson, Ayusman Sen, Thomas Johnson, Eric Lauga	Autonomous “Platinum-Glazed” Donuts and Micropropellers
6	Mon/Tue	Banno, Taisuke	Keio University	Yui Kasuo, Hiroyuki Kitahata, Yuki Koyano, Masahiro Takinoue, Kouichi Asakura	Required Conditions for Self-Propelled Motion of Micrometer-Sized Oil Droplets in Surfactant Solution
7	Mon/Tue	Bashir, Nadeem	J&K Higher Education Department	N. A. Dar Farhad, G. M. Peerzada and Sna Rashid	Effect of Different Chemical Species on the Behavior of Tyrosine in a Typical BR Oscillatory Chemical Reaction
8	Mon/Tue	Budroni, Marcello A.	University of Sassari	V. Upadhyay and L.D. Rongy	How to make a simple A + B = C reaction oscillate: a chemohydrodynamic mechanism.
9	Mon/Tue	Bullara, Domenico	Brandeis University	Sumner Alperin Lea, Viktor Horváth, Samantha Shepherd, Irving Epstein	The "Differential Growth" way to Turing patterns: from Chemistry to Biology and back
10	Mon/Tue	Contento, Lorenzo	Meiji University	Masayasu Mimura (Musashino University)	Competitor-mediated coexistence and complex patterns in a three-species competition-diffusion system
11	Mon/Tue	De Piccoli, Serena	University of Strasbourg	Alessandro Sorrenti, Jorge Leira-Iglesias, Akihiro Sato & Thomas M. Hermans	Supramolecular reaction cycles with designed feedback mechanisms

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12	Mon/Tue	Dutta, Sumana	Indian Institute of Technology Guwahati	Nirmali Prabha Das, Dhriti Mahanta, and Rhettika Dutta	Interaction of Rotors in 2D Excitable Media
13	Mon/Tue	Dúzs, Brigitta	Eötvös University	Brigitta Dúzs, István Szalai	Design of pH Patterns in Presence of Antagonistic Gradients of Reactants
14	Mon/Tue	Fukushima, Seiya	Graduate School of Frontier Biosciences, Osaka University	Satomi Matsuoka, Masahiro Ueda	Excitable signaling network governs self-organized localization pattern for spontaneous cell migration
15	Mon/Tue	Gaskins, Delora Kay	Université Libre de Bruxelles	Delora Gaskins, Jamie Soohoo, Milos Dolnik, Irv Epstein	Mixed mode pattern formation in the BZ AOT reverse microemulsion system
16	Mon/Tue	Gizynski, Konrad	Institute of Physical Chemistry PAS	J.Gorecki and L. Zommer	Top-down design of chemical database classifiers based on oscillatory chemical reactions.
17	Mon/Tue	Haugland, Sindre W.	Technische Universität München	Felix Kemeth, Katharina Krischer	Cluster-halving cascade from intensive to extensive dynamics
18	Mon/Tue	Hauser, Marcus J	Otto von Guericke University Magdeburg	André Weber, Werner Zuschratter	Transient synchronization in yeast cell populations
19	Mon/Tue	Heckel, Jonas	University of Freiburg	Andreas Walther	Transient self-assembly of block copolymers by chemical reaction networks: Active environments vs active structures
20	Mon/Tue	Helwig, Britta	Radboud University Nijmegen	Britta Helwig, Bob van Sluijs, Aleksandr A. Pogodaev, Sjoerd G.J. Postma, Wilhelm T.S. Huck	Bottom-up Construction of an Adaptive Enzymatic Reaction Network
21	Mon/Tue	Hemkin, Sheryl	Kenyon College	Ellen Corcoran & Sheryl Hemkin	Modeling Calcium Oscillations and the Metabolic Implications in Astrocytes
22	Mon/Tue	Horvath, Judit	Hungarian Academy of Sciences		Synergistic chemomechanical oscillations revisited with the bromate-sulfite pH clock reaction
23	Mon/Tue	Ji, Lin	Capital Normal University	Junhe Fan, Dan Yang, Fengyi Cao, John A. Pojman	Immobilization adjusted autocatalysis and clock reaction in the urea–urease reaction
24	Mon/Tue	Kim, Hyun	Korea University, Department of Physics	Kyoung Jin Lee	Creating phase singularities in the biological master clock with a spatially homogeneous perturbation
25	Mon/Tue	Knoll, Pamela Q	Florida State University	Elias Nakouzi, Oliver Steinbock	Reaction-Diffusion Model Describes Biomimetic Polycrystalline Growth

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26	Mon/Tue	Kono, Ayaka	Keio University	Taisuke Banno, Kouichi Asakura	BZ oscillation inducing spontaneous repetition of floating-sinking motion of polymer gel formed by the polymerization in BZ system
27	Mon/Tue	Konow, Christopher	Brandeis University	Miloš Dolník, Jocelyne Chavez, Yunqiao Gan, Noah Somberg, and Irving R. Epstein	Turing Patterns on Radially Growing Domains: Experiments and Simulations
28	Mon/Tue	Koyano, Yuki	Chiba University	Yuki Koyano, Hiroyuki Kitahata, and Alexander S. Mikhailov	Hydrodynamic collective effects of active proteins
29	Mon/Tue	Kurin-Csorgei, Krisztina	Eötvös University, Budapest	Eszter Poros, Miklós Orbán	Periodic changes in the oxidation states of the center ion in the cobalt-histidine complex induced by the bromate – sulfite pH-oscillator
30	Mon/Tue	Kuze, Masakazu	Hiroshima University	Hiroyuki Kitahata, Oliver Steinbock, Satoshi Nakata	Directions of chemical waves determined by coupling two microbeads in BZ reaction
31	Mon/Tue	Lee, Hyun-Gyu	Korea University	Kyoung J. Lee	Systematic understanding on the motility of breast cancer cell
32	Mon/Tue	Leira-Iglesias, Jorge	University of Strasbourg	Jorge Leira-Iglesias, Michael Stich and Thomas M. Hermans	Supramolecular oscillations and patterns
33	Mon/Tue	Liu, Yifan	Saint Louis University	Istvan Z. Kiss	Synchronization Patterns and Network Topology of Oscillatory Nickel Dissolution in Microfluidic Flow Cell
34	Mon/Tue	Llamoza Rafael, Johan	Pontificia Universidad Católica del Perú	Johan LLamoza, Desiderio A. Vasquez	Three dimensional convection in reaction fronts described by KPZ equation
35	Mon/Tue	Mahanta, Dhriti	Indian Institute of Technology Guwahati	Dr. Sumana Dutta	Unpinning of scroll waves pinned to multiple obstacles
36	Mon/Tue	Manz, Niklas	The College of Wooster	Nathaniel J. Smith, Rebecca Glaser, Vincent W.H. Hui, John F. Lindner, and Niklas Manz	Effect of obstacles on the propagation of reaction-diffusion waves in a two-dimensional channel
37	Mon/Tue	Matsuoka, Satomi	RIKEN Quantitative Biology Center	Masahiro Ueda	Mutual Inhibition between PTEN and PIP3 Generates Bistability for Cell Motility
38	Mon/Tue	Miller, Pearson W	Massachusetts Institute of Technology	Norbert Stoop, Jörn Dunkel	Geometry of wave propagation on active deformable surfaces

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1	Wed/Thu	Molnár, István	Eötvös Loránd University	Krisztina Kurin-Csörgei, István Szalai	Spatiotemporal dynamics of minimal bromate oscillators in an open one-side-fed reactor
2	Wed/Thu	Mönke, Gregor	European Molecular Biology Laboratory	Christine Ho, Alexander Aulehla	Unmasking the rules of coupling in the presomitic mesoderm: ex vivo and in silico approaches
3	Wed/Thu	Nakata, Satoshi	Hiroshima University		Self-organized motion
4	Wed/Thu	Nanzai, Ben	Shizuoka Institute of Science and Technology	Ban Takahiko	Spontaneous expansion and contraction of pendant droplet associated with internal convection
5	Wed/Thu	Ocampo Espindola, Jorge Luis	Saint Louis University	Jorge Ocampo, Istvan Kiss	Weak Chimera States in a Two-Group Network of Electrochemical Oscillators Close to a Homoclinic Bifurcation
6	Wed/Thu	Orlik, Marek	University of Warsaw, Faculty of Chemistry	Albin Wisniewski, Mikolaj Jedrusiak, Maciej T. Gorzkowski, Katarzyna Pekala, Rafal Jurczakowski	Pattern formation in the H2O2-based chemical oscillators, caused by inhomogeneous temperature field
7	Wed/Thu	Ozawa, Ayumi	Ochanomizu University	Hiroshi Kori	Optimal Feedback that Inhibits Synchronized Oscillation in Globally Coupled Oscillators
8	Wed/Thu	Pan, Changwei	China University of Mining and Technolody	X. Sun, X. You, R. Cheng, C. Zhang, M. Liu, Q. Gao	Sulfate-induced oscillations and pulses in the electro-oxidation of sulfide on Pt electrode
9	Wed/Thu	Panzarasa, Guido	Eidgenössische Technische Hochschule (ETH) Zürich	Eric R. Dufresne	Time-controlled self-assembly by clock reactions. What happens when chitosan meets the formaldehyde clock?
10	Wed/Thu	Papageorgiou, Alexia	Université libre de Bruxelles	Laurence Rongy, Thomas Doneux	Combining Numerical Simulations and Experimental Study for the Investigation of Proton Coupled Electron Transfer Reactions
11	Wed/Thu	Paratore, Federico	IBM Research - Zurich	Evgeny Boyko, Govind V. Kaigala, Moran Bercovici	Microscale Flow Patterning by Dynamic Control of Surface Charge
12	Wed/Thu	Pimienta, Veronique	IMRCP Laboratory, CNRS UMR 5623, University of Toulouse	F. Wodlei, J. Sébilleau, J. Magnaudet	When Marangoni effects draw a flower
13	Wed/Thu	Pinto, Maria R	UNICAMP	Júlia Rospendowiski, Maria Rodrigues Pinto, Cristian Hessel, Elton Sitta, Raphael Nagao	Bistability induced by metallic complexes in the electrodeposition of copper

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14	Wed/Thu	Pojman, John A	Louisiana State University	Samuel Bynum, Tynia Madison, , Catherine Morejon-Garcia, Veronika Viner, Corey Weber	Frontal Polymerization with highly conductive additives
15	Wed/Thu	Pribus, Marek	Comenius University in Bratislava	Anna Olexová, Libuše Trnková, Ivan Valent	Study of the Briggs-Rauscher Oscillatory Reaction in a Solution of Polysorbates (Tweens)
16	Wed/Thu	Ren, Lin	China University of Mining and Technology	Lin Ren, Rui Teng, Mengfei Liu, Qingyu Gao, Irving R Epstein	Active locomotion modes and their transition generated by intrinsic dynamics of a photosensitive BZ-gel
17	Wed/Thu	Roy, Tanushree	Indian Institute of Technology Bombay	V. Agarwal, B.P. Singh and Punit Parmananda	Noise Assisted Pattern Fabrication
18	Wed/Thu	Saha, Sandip	S. N. Bose National Centre for Basic Sciences, Kolkata-106, India.	S. Saha, G. Gangopadhyay, S. Kumari, R. K. Upadhyay	Characterization of Isochronous Orbits in Time Delayed Oscillator Model
19	Wed/Thu	Sakaguchi, Hidetsugu	Kyushu University		Solitary wave states in the nonlinear Kramers equation for self-propelled particles
20	Wed/Thu	Salman, Munir M	Technische Universität München	Maximilian Patzauer, Katharina Krischer	Dynamic instabilities of the Si-anode: Towards a physical explanation
21	Wed/Thu	Schuszter, Gabor	University of Szeged	Nirmali Prabha Das, Brigitta Müller, Ágota Tóth, Dezso Horváth	Precipitation kinetics on macroscopic scale
22	Wed/Thu	Semenov, Sergey N	Weizmann Institute of Science	Brian J. Cafferty, Samira Gmuer, George M. Whitesides	Influence of Molecular Heterogeneity on the Robustness of Oscillating Organic Chemical Reactions
23	Wed/Thu	Shimokawa, Michiko	Fukuoka Institute of Technology	Hiroyuki Kitahata	Power law observed in the motion of an asymmetric camphor boat in viscous conditions
24	Wed/Thu	Skorb, Ekaterina	Infochemistry Group, ITMO University	Natalia Mamchik	Instabilities in dendritic electroless silver colonies
25	Wed/Thu	Smith, Jessica L	Universidad Nacional de Colombia	Andres Montoya, Carolina Mejía, Elkín Cruz, Jesús Ágreda	Dynamics of autocatalytic models proposed to generate homochirality: The Jacobian Matrix analysis.
26	Wed/Thu	Spanoudaki, Dimitra	Université Libre de Bruxelles	Dimitra Spanoudaki, Dimitra Sazou	The onset of an electrochemical garden on a Zn disc electrode
27	Wed/Thu	Suematsu, Nobuhiko J.	Meiji University	Yuko Hamano, Kenta Odagiri, Yumihiko S. Ikura, and Kota Ikeda	Chemotactic Behavior of a Self-Propelled Disk Mimicking Bacterial Chemotaxis
28	Wed/Thu	Tansi, Benjamin M	Pennsylvania State University	Matt Peris, Ayusman Sen	Fluid pumping and reversible particle assembly by light-active particles

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29	Wed/Thu	Taylor, Annette F	University of Sheffield	Tamas Bansagi, Biborka Bohner, Agota Toth, Dezso Horvath	Modelling periodic biomineralisation
30	Wed/Thu	Tiani, Reda	Université libre de bruxelles	Laurence Rongy	Collective motion of two interacting A+B -> C reaction fronts
31	Wed/Thu	Tinsley, Mark	West Virginia University	Ken Showalter, Desmond Yengi	Excitatory and inhibitory coupling in photosensitive chemical oscillators
32	Wed/Thu	Tompkins, Nathan	Wabash College		A Microfluidic Chemical Garden
33	Wed/Thu	Toth, Agota	University of Szeged	Nirmali P. Das, Emese Lantos, Dezso Horvath	Coupling of self-assembly and self-organization of different length scales
34	Wed/Thu	Totz, Jan Frederik	Technische Universität Berlin	Dumitru Calugaru, Harald Engel	Synchronization transitions in large arrays of oscillators
35	Wed/Thu	Ueda, Masahiro	Osaka University	Seiya Fukushima, Satomi Matsuoka	Self-organized travelling waves in phosphatidylinositol lipid signaling pathway govern spontaneous motility of eukaryotic amoeboid cells
36	Wed/Thu	Upadhyay, Virat K	Université Libre de Bruxelles	Prof. Laurence Rongy	Thermal effects on chemically-induced Marangoni convection around A+B -> C reaction fronts
37	Wed/Thu	Valent, Ivan	Comenius University	Filip Novák, Silvia Plánková, Jaroslav Blaško, Róbert Kubinec, Marek Pribus, Ivica Sigmundová, Ambróz Almássy, Juraj Filo, Tána Sebechlebská, Thuy Bich Lawson, Zoltán Noszticzius	Unusual chemistry in an uncatalyzed bromate-aniline oscillator: ring-contraction oxidation of aniline with pulsative CO2 production
38	Wed/Thu	Vasquez, Desiderio A	Pontificia Universidad Catolica del Peru	Dan Coroian, Department of Mathematics, Purdue University Fort Wayne	Oscillatory instability in a reaction front separating fluids of different densities
39	Wed/Thu	Vilela, Pablo M	Pontificia Universidad Catolica del Peru	Desiderio A. Vasquez and R. Guzman	Chemical fronts described by the Kuramoto-Sivashinsky equation under surface tension driven flow