

Poster List

All posters can be displayed simultaneously throughout the conference week.

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#	Name	Organization	Co-Authors	Poster Title
1	Awal, Naziru M	Brandeis University	Irving R. Epstein	Piecewise Linear Model of the CDIMA Reaction
2	Baba, Peter	University of Szeged	Eszter Tóth-Szeles, Marcus J. B. Hauser, Dezso Horváth, Ágota Tóth	Marangoni instability in a propagating autocatalytic reaction front under microgravity
3	Banno, Taisuke	Keio University	Sho Kaneko, Kouichi Asakura	Locomotion Mode of Micrometer-Sized Oil Droplets in Photo-Responsive Surfactant Solution
4	Bansagi, Tamas Tb	University of Sheffield	Annette F. Taylor	Collective Behavior of Enzyme-loaded beads
5	Blanc, Baptiste B	Brandeis University	Ning Zhou, Mike Norton, Bing Xu, Seth Braden	Self oscillating gel driven by Blousson-Zhabotinsky reaction
6	Budroni, Marcello A.	University of Sassari		From Microscopic Compartmentalization to Hydrodynamic Patterns: General Theory and Experiments.
7	Bullara, Domenico	Institute for Cross-Disciplinary Physics and Complex Systems (IFISC), CSIC-UIB		Chemomechanical oscillations in reactive porous media from monostable non-oscillating chemical reactions: a theoretical prediction.
8	Bunton, Patrick H	William Jewell College	S. Stewart, D. Marin, J. Pojman	Stabilization of Viscous Fingering using Chemical Reactions
9	Dolnik, Milos	Brandeis University		3D Patterns in the Chlorine Dioxide-Iodine-Malonic Acid Reaction in Boundary-fed Systems.
10	Dutta, Sumana	Indian Institute of Technology Guwahati		Reconnection of Scroll Waves in an Excitable Medium : Effects of Intra-filament Distance and Orientation
11	Frank, Philipp PF	Technische Universität Dresden	Sebastian Haefner, Martin Elstner, Andreas Richter	A chemo-fluidic membrane oscillator based on autonomous microfluidic integrated circuit (IC) technology
12	Fukuda, Hirokazu	Osaka Prefecture University	Kazuya Ukai	Estimation of Cellular Phase Response Function Through a Spatiotemporal Pattern in Plant Circadian Clock

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13	Gaskins, Delora	Brandeis University		Turing pattern transitions to different wavelengths in CDIMA
14	Guzman, Roberto A	Pontificia Universidad Catolica del Peru	Desiderio A. Vasquez	Marangoni flow on thin reaction fronts
15	Hastings, Harold M	Bard College at Simon's Rock and Hofstra University	Richard J. Field, Sabrina Sobel and David Guralnick	Oregonator Scaling Motivated by Showalter-Noyes Limit
16	Hayashida, Keisuke	Keio University	H. Yuasa, T. Banno, D. Maezawa, T. Mukawa, N. Sato, H. Masaki, A. Kuroda, K. Asakura	Mechanism of the Stripe Pattern Formation on the Viscous Liquid Layer during Its Application onto the Solid Substrate
17	Hayes, Robert	Rutgers University	Boyce Tsang, Steve Granick	Spontaneous Oscillations in an Active Matter System
18	Hemkin, Sheryl	Kenyon College	Ellen Corcoran	Glia, Neuroinflammation and Neural Degeneration
19	Horvath, Viktor	Brandeis University	Viktor Horvath, Daniel J. Kutner, Irving R. Epstein	Pulse-coupled Belousov-Zhabotinsky Oscillators with Inhibition
20	Horvath, Dezso	University of Szeged	Emese Lantos, Csaba Bagyinka, Agota Toth	Spatio-temporal pattern formation in an autocatalytic hydrogenase reaction
21	Horváth, Judit	Eötvös Loránd University, Institute of Chemistry	-	Sustained chemomechanical oscillations induced by the formaldehyde – sulfite clock-reaction
22	Ji, Lin	Capital Normal University		Double-coupling effect in pH oscillation driven autonomous processes
23	Jimenez, Zulma A.	Brandeis University	Zulma Jiménez and Irving Epstein	Can a Soai catalyst capable of self-assembly optimize the Soai reaction outcome?
24	Kitahata, Hiroyuki	Chiba University	Tomohiro Sasaki, Nobuhiko J. Suematsu, Tatsunari Sakurai	Spontaneous recurrence of deposition and dissolution of a solid layer on a solution surface
25	Kizuna, Abe	Tokyo University of Agriculture and Technology	Shuntaro Arai, and Yuichiro Nagatsu	A proposal of novel chemical flooding using reactive viscoelastic oil- water interface for enhanced heavy oil recovery
26	Kowalska, Teresa	University of Silesia	Anna Maciejowska, Agnieszka Godziek, Mieczyslaw Sajewicz	Patterns of turbidity changes in spontaneous non-linear peptidization of α -amino acids in abiotic solutions

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27	Koyano, Yuki	Chiba University	N. Yoshinaga, H. Kitahata	General criteria for determining rotation or oscillation in a two-dimensional axisymmetric system
28	Kumar, Pawan	Department of physics, IIT Bombay,	Pawan Kumar, Dinesh Kumar Verma, Daniel George, and P. Parmananda	Chimera states in an ensemble of mercury beating heart oscillators.
29	Kurin-Csorgei, Krisztina	Eötvös University, Budapest	Krisztina Kurin-Csörgei, Eszter Poros, Miklós Orbán	Chemical Oscillations with Sodium Perborate as Oxidant
30	Liu, Yang	China University of Mining and Technology	Yang Liu, Ting Zheng, Changwei Pan, Ling Yuan and Qingyu Gao	Fingers, oscillations and multiple rolls of convection-induced fronts in the chlorite-trithionate reaction without and with surfactants
31	Liu, Yifan	St. Louis University, Chemistry	Jasmine Coleman, Istvan Z. Kiss	Synchronization Patterns and Network Topology of Oscillatory Nickel Dissolution in Microfluidic Flow Cell with Three Electrodes
32	Manz, Niklas	College of Wooster	Richard J. Field and Konstantin Kiprijanov	Illustrated timeline of Boris P. Belousov and Anatol M. Zhabotinsky
33	Molnár, István	Eötvös Loránd University	István Molnár and István Szalai	Different Types of Oscillations in the Bromate-Sulfite-Ferrocyanide System
34	Nagatsu, Yuichiro	Tokyo University of Agriculture and Technology	Toshizo Kanbara, Masafumi Taniguchi	Suppression of a hydrodynamic instability by chemical reaction producing gel
35	Nomura, Mio	Hiroshima University	S. Nakata, H. Yamamoto, N. J. Suematsu, Y. Ikura	Oscillatory motion of a self-propelled motor driving by decomposition of H ₂ O ₂ with catalase
36	Norton, Michael M	Brandeis University	Thomas Litschel, Seth Fraden	Modeling large arrays of coupled Belousov-Zhabotinsky oscillators
37	Novakovic, Katarina	Newcastle University	Chinyelumndu Jennifer Nwosu	Oscillatory carbonylation reaction employing mono and di-alkyne-terminated poly (ethylene glycol)
38	Orban, Miklos	Eötvös University, Budapest	Eszter Poros, Krisztina Kurin-Csörgei, Miklós Orbán	Oscillatory formation and decomposition of cobalt(II) and Co(III) complexes in the BrO ₃ ⁻ – SO ₃ ²⁻ – Co ²⁺ – histidine (BSCoHis) CSTR system
39	Pagano, Jason J	Saginaw Valley State University	Eric J. Nelson, Eric J. Lochner, and Yan Xin	Nonequilibrium synthesis of cadmium oxide precipitation tubes
40	Pantaleone, James T	University of Alaska Anchorage	Jerzy Maselko, Salome Hussein	Chemical Gardens at the Air Fluid Interface
41	Pappas, Charalampos	City University of New York	Rein V. Uljijn	Dynamic Peptide Libraries for Discovery of Supramolecular Nanomaterials

#	Name	Organization	Co-Authors	Poster Title
42	Parker, Duncan J	University of Southampton	George S. Attard	Chemical Similarity and Networks in Belousov-Zhabotinsky Reaction Systems
43	Peacock-Lopez, Enrique	Williams College	Lauren Moseley	First and Second Order Chemical Self-replication in Open Systems
44	Pimienta, Veronique	IMRCP Laboratory, CNRS UMR 5623, University of Toulouse	F. Wodlei ³ , K. Eckert ¹ , K. Schwarzenberger ¹ , C. Antoine ² , and V. Pimienta ³ 1 Institute for Fluid Mechanics, Dresden, Germany 2 LPTMC, Université Pierre et Marie Curie, Paris, France 3 IMRCP, Universit	From spreading and dewetting to highly ordered patterns
45	Proskurkin, Ivan	Immanuel Kant Baltic Federal University	V. K. Vanag	Dynamical rhythms of an array of inhibitory coupled BZ microoscillators in 1D with Global Negative Feedback
46	Ren, Lin	China University of Mining and Technology	QingYu. Gao, Yang. Liu	Autonomous periodic locomotion of self-oscillation gel along gradient illumination distribution
47	Rongy, Laurence D	Université Libre de Bruxelles	Reda Tiani and Laurence Rongy	Dynamics of A + B to C reaction fronts driving Marangoni flows
48	Rossi, Federico	University of Salerno	Ylenia Miele, Tamas Bansagi, Pasquale Stano, Annette Taylor	Engineering Enzyme-Driven Dynamic Behaviour in Lipid Vesicles
49	Rotermund, Harm H	Dalhousie University	Mengnan Guo and Alisina Toloei	The Effect of Surface Patterning on Non-linear Corrosion Behaviour
50	Sajewicz, Mieczyslaw	University of Silesia	Agnieszka Godziek, Anna Maciejowska, Teresa Kowalska	Tracing of spontaneous non-linear heteropeptide formation with use of scanning electron microscopy and some auxiliary techniques
51	Schuszter, Gabor	Université Libre de Bruxelles	Fabian Brau and Anne De Wit	Calcium Carbonate Mineralization in a Confined Geometry
52	Semenov, Sergey N	Harvard University	Lewis J. Kraft, Alar Ainla, Mengxia Zhao, Mostafa Baghbanzadeh, Victoria E. Campbell, Kyungtae Kang, Jerome M. Fox, and George M. Whitesides	Emergence of Bistability and Oscillations in Biologically Relevant Organic Reaction Networks
53	Suematsu, Nobuhiko J	Meiji University	Takashi Amemiya, Yoshihito Mori, and Satoshi Nakata	Mode Switching of a Self-Propelled Droplet
54	Sugita, Kento	Keio University	K. Asakura, T. Banno	Behavior of Ruthenium-Ion Catalyzed Belousov-Zhabotinsky Reaction System Containing N-Isopropylacrylamide
55	Suzuki, Ryuta	Tokyo University of Agriculture and Technology	Takahiko Ban, Manoranjan Mishra, and Yuichiro Nagatsu	Hydrodynamic interfacial instability driven by partial miscibility in a fluid displacement process

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56	Szalai, Istvan	Eötvös Lorand University	Brigitta Dúzs and István Szalai	Reaction-Diffusion Patterns in the Hydrogen Peroxide-Thiosulfate-Cu(II) System
57	Tompkins, Nathan Dp	Brandeis University	Matthew Carl Cambria, Jesse Held, and Seth Fraden	Reconfigurable Topology Induced Transitions in BZ Emulsion Networks
58	Toth-Szeles, Eszter	University of Szeged	Eszter Tóth-Szeles, Gábor Schuszter, Ágota Tóth, Dezsó Horváth	Flow-driven morphology control in transition metal-oxalate systems
59	Totz, Jan Frederik	Technical University of Berlin	Kenneth Showalter, Harald Engel	Synchronization in large chemical oscillator arrays
60	Tsuzuki, Reiko	Tokyo University of Agriculture and Technology	Masanari Fujimura and Yuichiro Nagatsu	Influence of chemical reaction decreasing interfacial tension on a hydrodynamic instability
61	Vanag, Vladimir K	Immanuel Kant Baltic Federal University	Ivan S. Proskurkin	Dynamical Rhythms of an Array of Inhibitory Coupled BZ Microoscillators in 1D with Global Negative Feedback
62	Vasquez, Desiderio A	Pontificia Universidad Católica del Perú	R. Guzman and D. Ruelas	Fluid flow convection in thin reaction fronts.
63	Vilela, Pablo M	Pontificia Universidad Católica del Perú	Desiderio A. Vasquez	The effects of fluid motion on oscillatory and chaotic fronts
64	Voorluis, Valérie	Université libre de Bruxelles	Yannick De Decker	Stochastic simulations of a photosensitive Belousov-Zhabotinsky microdroplets system
65	Wong, Albert	Radboud University Nijmegen	"to be submitted at a later date"	"to be submitted at a later date"
66	Zhang, Zhihui	Florida State University		Local heterogeneities in cardiac systems suppress turbulence by generating multi-armed rotors
67	Zhao, Xi	The Pennsylvania State University	Krishna K. Dey, Pierre Illien, Peter J. Butler, Ramin Golestanian, Ayusman Sen	Exothermicity is Not Necessary for Substrate-Induced Enhanced Enzyme Diffusion