

# Poster Program

- PS-1 Hiroki Tutu  
Stochastic Landau-Lifshitz-Gilbert equation with delayed feedback field
- PS-2 Kai Morino  
Time correlation calculations based on delayed coordinates
- PS-3 Tetsuya Takaishi  
Financial time series analysis by rational GARCH model
- PS-4 Masaki Nomura  
Analytic method for time-varying multi-dimensional time-series data
- PS-5 Yasuaki Morita  
Detection of unstable periodic orbits from chaotic time series
- PS-6 Tomohiro Hasumi  
The Statistical law for time intervals between successive earthquakes with temporal correlated earthquakes removed
- PS-7 You-Hsien Shiau  
Detecting hidden information in ventricular fibrillation
- PS-8 Takahito Mitsui  
Spectral analysis of the nonchaotic stagnant motion in a marginal quasiperiodic gradient system
- PS-9 Kenji Orihashi  
Statistical property of diffusion Lotka-Volterra equation
- PS-10 Yi-Chiuan Chen  
Smale's horseshoe and the Hénon map near the anti-integrable limit
- PS-11 Kin'ya Takahashi  
Sounding mechanism of Woodwind single-reed instruments
- PS-12 Toshiya Takami  
Multi-physics Description and Hierarchical Structures of Molecular Systems

- PS-13 Taizo Kobayashi  
Vortex Sound Source Around a 2D Whistle
- PS-14 Takuma Akimoto  
On the definition of the equilibrium and non-equilibrium state in dynamical systems
- PS-15 Akira Akaishi  
A study on the slow dynamics of hard disk systems on the hyperbolic plane
- PS-16 Takehiro Horita  
Dynamic phase transition in a time-dependent Ginzburg-Landau model under an asymmetric oscillating field
- PS-17 Hiroaki Hanai  
Control of 3-body perfect-elastic-impact vibration by using Grover wave algorithm
- PS-18 Shinichiro Goto  
Electromagnetic fields produced by moving sources in a curved beam pipe
- PS-19 Kourosch Nozari  
Spacetime fuzziness, noncommutativity and black hole thermodynamics
- PS-20 Hidetsugu Sakaguchi  
Chaotic diffusion of particles in a box of periodic boundary conditions
- PS-21 Miki Kobayashi  
Determination of large deviation statistical characteristic functions
- PS-22 Peiqing Tong  
The phase transition of a Mattis-like Hamiltonian Mean Field model
- PS-23 Akiyuki Ishikawa  
Flooding of wavefunctions in two-dimensional coupled rotors
- PS-24 Myungwoon Kim  
Operating characteristics of a stadium-shaped microcavity laser
- PS-25 Songky Moon  
Resonant optical pumping via chaos-assisted tunneling in a deformed microcavity

- PS-26 Hojeong Kwak  
Experimental visualization of mode distributions in a deformed ultrasonic cavity
- PS-27 Sang-Hun Lee  
Continuous wave operation of an elliptical micro-cavity laser
- PS-28 Fumiyoshi Kuwashima  
Effects of light polarization on a chaotic oscillation in a single-mode class A He-Ne laser
- PS-29 Yasutoshi Takeuchi  
TE-TM mode dynamics in semiconductor lasers subjected to polarization-rotated optical feedback
- PS-30 Tomokazu Tachikawa  
Fast periodic oscillations in broad-area semiconductor lasers with short optical feedback
- PS-31 Katsuya Ouchi  
Study of chaotic Phase synchronization in terms of Lyapunov exponents
- PS-32 Chil-Min Kim  
Anti-phase synchronization between a chaotic circuit and a chaotic laser
- PS-33 Mohd Saiful Bin Mohd Sahri  
Chaos synchronization in mutually coupled Josephson tetrodes
- PS-34 Yuuichi Yokoi  
A power-based study on frequency entrainment in phase-locked loop equation system
- PS-35 Hiromichi Suetani  
Complex Structure of Isochronous Sets in Chaotic Oscillators Driven by External Periodic Signals
- PS-36 Hideaki Terai  
Experimental Study of Super Multi-User Chaos-CDMA Systems Using FPGA
- PS-37 Shigeo Kotake  
Energy concentration and stochastic resonance in connected cables under random external force

- PS-38 Keiichi Ueda  
Scattering dynamics of traveling pulses near singularities
- PS-39 Xiaohui Yuan  
Onset of unidirectional flows with an asymmetric heterogeneity
- PS-40 So Kitsunozaki  
Crack propagation in a drying paste
- PS-41 Ayumi Saeki  
Computer simulation in pattern formation of landscape evolution
- PS-42 Hironori Kawakami  
Propagating swarm ring by *Escherichia coli*
- PS-43 Masahiro Fujie  
Aggregation pattern of self-driven particles
- PS-44 Kazutaka Toyabe  
A computational approach to collision process between localized binary-fluid convection cells
- PS-45 Michiko Shimokawa  
Experimental study of a new fractal structure formed by coffee on milk
- PS-46 Kenta Odagiri  
Pattern formation induced by discrete and stochastic dynamics in proliferation systems: comparative studies of reaction-diffusion equations and cellular automata
- PS-47 Kazuki Shioiri  
Carrying a small cargo in Belousov-Zhabotinsky reaction operated by illumination
- PS-48 Yongjun Chen  
Wetting and interfacial instability: Self-propelled droplet
- PS-49 Naoko Kurata  
Onset of stationary pattern formation in a coupled excitable elements
- PS-50 Yuichi Togashi  
Effects of intra- and intermolecular fluctuations of molecular machines:  
Spatiotemporal patterns in reaction-diffusion systems and biological cells

- PS-51 Momoyo Yoshikawa  
Dynamic scaling in the Swift-Hohenberg equation under an oscillating field
- PS-52 Tomaso Aste  
Virtual experiments on granular materials
- PS-52.5 Wei Chen  
Cell motility and fluctuation of dictyostelium discoideum at preaggregation state
- PS-53 Hiroaki Takagi  
Functional relationship between cellular spontaneous movement and tactic response -in the case of Dictyostelium discoideum-
- PS-54 Yukinobu Arata  
Relationship between cell cycle duration and cell volume exhibits a power law distribution in early embryonic development in *C. elegans*
- PS-55 Kyeyeon Hur  
Kinetic analysis of multiple feedbacks in IFN-beta expression during RNA virus-mediated innate immunity
- PS-56 Wen-Jer Tzeng  
On the long-term fitness of cells in periodically switching environments
- PS-57 Zbigniew Struzik  
The origins of behavioural organisation in humans
- PS-58 Yuta Kondo  
Do amoebae climb before fly? –Environmental adaptation ability in the true slime mold before sporulation–
- PS-59 Toni Perez  
Diversity-induced resonance in a FitzHugh-Nagumo neural network
- PS-60 Masaki Nomura  
Estimation of functional connectivity on cultured neuronal networks
- PS-61 Takuma Tanaka  
Recurrent infomax generates stereotyped sequences of firings, self-organized criticality, and stimulus selectivity

- PS-62 Myoung Won Cho  
Equalization of synaptic efficacy by synchronous neural activity
- PS-63 Angela Langdon  
Empirical evidence of dynamic entrainment of neural oscillators in somatosensory cortex in response to vibratory tactile stimuli
- PS-64 Kaiichiro Ota  
A novel method of measurement for phase response curves with continuous noisy stimuli
- PS-65 Kiyotake Tetsuka  
An experimentally faithful model for synchrony in the firefly *P. effulgens*
- PS-66 Norihiro Kawata  
Effect of aging in large populations of oscillators with global non-scalar diffusive coupling
- PS-67 Shogo Yamaguchi  
Effect of aging in a large population of globally coupled oscillators with distributed natural frequencies
- PS-68 Atsuhiko Kikuchi  
Estimation of phase resetting curves by entrainment to small periodic injections
- PS-69 Karen Petrosyan  
Influence of noise and effect of time-delayed interactions on the synchronization of the stochastic Kuramoto model
- PS-70 Kazuyuki Yoshimura  
Phase reduction of limit cycle oscillators with white Gaussian noise
- PS-71 Fumito Iwase  
Partial and symmetric synchronization of coupled Rössler oscillators on a pseudofractal network topology
- PS-72 Taro Takaguchi  
Spectra statistics of the transition matrices of Watts-Strogatz model
- PS-73 Teito Nakagawa  
Analysis of complex network by network stratification

- PS-74 Jin-Qing Fang  
Network complexity pyramid
- PS-75 Mika Izuo  
Novel network analysis based on large deviation statistics
- PS-76 Satoru Morita  
The effect of clustering structure: Evolutionary games on random regular networks
- PS-77 Hideki Murasato  
Horizon chasers for interactive exploration of large-scale networks
- PS-78 Takaaki Aoki  
A coevolving network of phase oscillators
- PS-79 Keisuke Satoh  
Conditional multi-peaks on communities in a bulletin board system
- PS-80 Yasumasa Isshiki  
A symmetric two-lane cellular automaton traffic model with considerate drivers
- PS-81 Yukie Sano  
Stochastic behaviors in human activity observed in internet blog
- PS-82 Mieko Tanaka-Yamawaki  
SOM classification of tickwise price changes labelled by dynamical indicators
- PS-83 Chung-I Chou  
Statistical physics methods in elections