

Poster Presentations NSPCS2024	
P1	<u>Hyogeon Park</u> , Juyeon Yi, and Yong Woon Kim <i>Sum Rule for Fluctuations of Work</i>
P2	Ju-Yeon Ghym, <u>Gilhan Kim</u> , and Yongjoo Baek <i>Boltzmann Sampling by Diabatic Quantum Annealing</i>
P3	Varinder Singh <i>Nonadiabatic Otto engine: frictional effects on performance bounds and operational modes</i>
P4	<u>Euijoon Kwon</u> , Jong-Min Park, Jae Sung Lee, and Yongjoo Baek <i>A Unified Hierarchical Framework for Thermodynamic Inequalities: Extending the Thermodynamic Uncertainty Relation</i>
P5	<u>Hyeong-Tark Han</u> , Jae Sung Lee, and Jae-Hyung Jeon <i>Thermodynamic uncertainty relation for systems with active Ornstein-Uhlenbeck particles</i>
P6	<u>Meesoon Ha</u> , Yongjoo Baek, Hyunggyu Park, and Marcel den Nijs <i>Local Faceting and Dynamic Crossover Scaling</i>
P7	Byeong Guk Go, Juyeon Yi, and Yong Woon Kim <i>Random target search for a reactive target by multiple diffusive searchers</i>
P8	<u>Xavier Durang</u> , Jae-Hyung Jeon <i>First passage time in compartmentalized medium</i>
P9	<u>Jung-Hoon Jung</u> , Young-Ho Eom <i>Metastable states and hysteresis of congestion spreading dynamics in urban road networks</i>
P10	<u>Jihye Kim</u> , Deok-Sun Lee, K.-I. Goh <i>Contagion dynamics on hypergraphs with nested hyperedges</i>
P11	<u>Wonhee Jeong</u> , Daekyung Lee, Heetae kim, and Sang Hoon Lee <i>The community in your real-world network cannot be simply hierarchical</i>
P12	<u>Gangmin Son</u> and Meesoon Ha <i>Mutual percolation on one-dimensional multiplex networks with long-range connections</i>
P13	<u>Jung-Ho Kim</u> , Kwang-Il Goh <i>Function and structure of the higher-order components in hypergraphs</i>
P14	<u>Yash Arya</u> , Sang Hoon Lee <i>Effects of structural properties of neural networks on machine-learning performance</i>
P15	<u>Hojun Lee</u> , Yongjoo Baek <i>Physically Consistent Neural Network for Large Deviation Estimation</i>
P16	Sergei V. Koniakhin, Olha M. Bahrova <i>Skew scattering by triangular defects originates ratchet effect in photonic graphene</i>
P17	<u>Oleg I. Utesov</u> , Min Park, Soohong Choi, Yong-Hoon Cho, Hyoungsoon Choi, Sergei V. Koniakhin, and Igor S. Aronson <i>Single-spot nonequilibrium exciton-polariton condensation revisited</i>
P18	<u>Nahyeon Lee</u> , Hyeong-Chai Jeong <i>Global Netflix Consumption Flow Analysis via Information Theory</i>
P19	<u>Sunhee Chae</u> , and Hyeong-Chai Jeong <i>Enhancing Cooperation from Reactive Strategies with Reputation Information</i>
P20	<u>Eunseo Gwon</u> , Hyeong-Chai Jeong <i>Nash Equilibria in Asymmetric Semifinalists' Dilemma</i>
P21	Sergei Koniakhin <i>Evolution as optimization problem on competition for the resources between populations and individuals</i>
P22	<u>Chan Lim</u> , Jae-Hyung Jeon <i>Bend-induced Hysteresis of Heterogeneous Ring Polymers</i>
P23	<u>Athokpam Langlen Chanu</u> , R.K. Brojen Singh, and Jae-Hyung Jeon <i>Fluctuations and complexity in intracellular Ca²⁺ dynamics</i>
P24	<u>Joowang Son</u> and Jaep Kim <i>Tracking bacillus subtilis in 2D and analyzing its run-and-tumble motions</i>
P25	<u>Leonardo Garibaldi Rigon</u> , Yongjoo Baek <i>Active hinge model: a simple model for the motile active particle cluster within a crowded channel</i>
P26	<u>Euijoon Kwon</u> , <u>Yongjae Oh</u> and Yongjoo Baek <i>Effects of chemokinesis on the motility-induced phase separation</i>
P27	<u>Chul-Ung Woo</u> , Jae Dong Noh <i>Motility-Induced Pinning in Self-Propelled Particle Systems with Discrete Symmetry</i>
P28	<u>Ki-Won Kim</u> , Euijoon Kwon, and Yongjoo Baek <i>Efficient Monte Carlo methods for active particle dynamics with thermodynamic consistency</i>
P29	<u>Jeong Kangeun</u> , Yuta Kuroda, Takeshi Kawasaki, Kunimasa Miyazaki <i>Crystallization in low-density chiral Active Brownian Particles</i>