Poster Presentations	
NSPCS2024	
P1	Hyogeon Park, Juyeon Yi, and Yong Woon Kim Sum Rule for Fluctuations of Work
P2	Ju-Yeon Ghym, Gilhan Kim, and Yongjoo Baek Boltzmann Sampling by Diabatic Quantum Annealing
Р3	Varinder Singh Nonadiabatic Otto engine: frictional effects on performance bounds and operational modes
P4	Euijoon Kwon, Jong-Min Park, Jae Sung Lee, and Yongjoo Baek A Unified Hierarchical Framework for Thermodynamic Inequalities: Extending the Thermodynamic Uncertainty Relation
P5	Hyeong-Tark Han, Jae Sung Lee, and Jae-Hyung Jeon Thermodynamic uncertainty relation for systems with active Ornstein-Uhlenbeck particles
Р6	Meesoon Ha, Yongjoo Baek, Hyunggyu Park, and Marcel den Nijs Local Faceting and Dynamic Crossover Scaling
P7	Byeong Guk Go, Juyeon Yi, and Yong Woon Kim Random target search for a reactive target by multiple diffusive searchers
P8	Xavier Durang, Jae-Hyung Jeon First passage time in compartmentalized medium
Р9	JungHoon Jung Metastable states and hysteresis of congestion spreading dynamics in urban road networks
P10	Jihye Kim, Deok-Sun Lee, KI. Goh
P11	Contagion dynamics on hypergraphs with nested hyperedges Wonhee Jeong, Dackyung Lee, Heetae kim, and Sang Hoon Lee The community in your real-world network cannot be simply hierarchical
P12	Gangmin Son and Meesoon Ha
P13	Mutual percolation on one-dimensional multiplex networks with long-range connections Jung-Ho Kim, Kwang-Il Goh
P14	Function and structure of the higher-order components in hypergraphs Yash Arya, Sang Hoon Lee
P15	Effects of structural properties of neural networks on machine-learning performance Hojun Lee, Yongjoo Baek
P16	Physically Consistent Neural Network for Large Deviation Estimation Sergei V. Koniakhin, Olha M. Bahrova
P17	Skew scattering by triangular defects originates ratchet effect in photonic graphene Oleg I. Utesov, Min Park, Soohong Choi, Yong-Hoon Cho, Hyoungsoon Choi, Sergei V. Koniakhin, and Igor S. Aronson
	Single-spot nonequilibrium exciton-polariton condensation revisited Nahyeon Lee, Hyeong-Chai Jeong
P18	Global Netflix Consumption Flow Analysis via Information Theory Sunhee Chae, and Hyeong-Chai Jeong
P19	Enhancing Cooperation from Reactive Strategies with Reputation Information Eunseo Gwon, Hyeong-Chai Jeong
P20	Nash Equilibria in Asymmetric Semifinalists' Dilemma
P21	Sergei Koniakhin Evolution as optimization problem on competition for the resources between populations and individuals
P22	Chan Lim, Jae-Hyung Jeon Bend-induced Hysteresis of Heterogeneous Ring Polymers
P23	Athokpam Langlen Chanu, R.K. Brojen Singh, and Jae-Hyung Jeon Fluctuations and complexity in intracellular Ca2+ dynamics
P24	Joowang Son and Jaeup Kim Tracking bacillus subtilis in 2D and analyzing its run-and-tumble motions
P25	Leonardo Garibaldi Rigon, Yongjoo Baek Active hinge model: a simple model for the motile active particle cluster within a crowded channel
P26	Euijoon Kwon, Yongjae Oh and Yongjoo Baek Effects of chemokinesis on the motility-induced phase separation
P27	Chul-Ung Woo, Jae Dong Noh Motility-Induced Pinning in Self-Propelled Particle Systems with Discrete Symmetry
P28	Ki-Won Kim, Euijoon Kwon, and Yongjoo Baek Efficient Monte Carlo methods for active particle dynamics with thermodynamic consistency
P29	Jeong Kangeun, Yuta Kuroda, Takeshi Kawasaki, Kunimasa Miyazaki
	Crystallization in low-density chiral Active Brownian Particles