



Asian Network School and Workshop on Complex Condensed Matter Systems 2019 Poster Presentations

Poster	Presenting Author	Co-Authors	Title
1	Iwan Setiawan (University of Bengkulu)	Bobby Eka Gunara, Sanat Avazbaev, Katsuhiko Nakamura	Geometry-dependent driving interactions to accelerate adiabatic quantum spin dynamics
2	Narasak Pandech (Suranaree University of Technology)	Thanundon Kongnok, Sirichok Jungthawan, Walter R. L Lambrecht	First-principles Study on Electronic Properties of Hybrid MABX ₃ perovskites (MA= CH ₃ NH ₃ ⁺ ; B = Pb, Sn, Ge; X = I, Br, Cl)
3	Maricar M. Rosete (University of the Philippines Diliman)	Myles Allen H. Zosa, Roland V. Sarmago	Bi ₂ Sr ₂ CaCu ₂ O ₈ powder in ethanol stabilized by different supporting electrolytes
4	Nguyen Hai Ly (Hanoi University of Science)	Tran Thanh Tuyen, Nguyen The Toan	Overcharging of zinc ion in Cys4 zinc-finger protein structure is needed for DNA binding stability
5	M. Chung Nguyen (University of Science and Technology of Hanoi)	V. Hung Nguyen, H. Viet Nguyen, P. Dollfus	Conduction gap in strained graphene heterojunctions
6	Lappawat Ngamwongwan (Suranaree University of Technology)	Ittipon Fongkaew, Sirichok Jungthawan, Sukit Limpijumng, Suwit Suthirakun	Effect of dopant in Sn-doped V ₂ O ₅ for Li-ion batteries: A first-principles calculation
7	Tran Thi Thanh Mai (Hanoi National University of Education)	Tran Minh Tien, Yunkyu Bang	Effect of ionic potential in a model of magnetic topological insulators
8	Apinya Ngoipala (Suranaree University of Technology)	Sirichok Jungthawan, Suwit Suthirakun	Role of p-doping on the enhanced photoelectrochemical performance of BiVO ₄ ⁻ based photoanodes: A first principles study
9	Joven Paolo D. Angeles (University of the Philippines Diliman)	Mariette M. Vega	Surface plasmon resonance of Fe ₃ O ₄ -Au spherical nanoparticles by discrete dipole approximation
10	Niña Angelica Zambale (University of the Philippines Diliman)	Nathaniel Hermosa	Goos-Hänchen shifts of visible light due to monolayer graphene
11	Dina Grace C. Banguilan (University of the Philippines Diliman)	Nathaniel Hermosa II	Tracing the position of optical vortices through diffraction by a triangular aperture
12	Angelo Marco Ramoso (University of the Philippines Diliman)	Jose Perico Esguerra	Biased random walk with stochastic resetting on a one-dimensional lattice with partially absorbing boundaries



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13	Mark Ivan G. Ugalino (University of the Philippines Diliman)	Michael Francis Ian G. Vega II	Density perturbation induced by relativistic bodies in slightly-eccentric orbits
14	Rommil B. Emperado (University of the Philippines Diliman)	Lean L. Dasallas, Wilson O. Garcia	Simulation of the plasma plume expansion in pulsed laser ablation of copper using a hydrodynamic model
15	Juan Antonio R. Magalang (University of the Philippines Diliman)	Jose Perico Esguerra	Hitting, commute, and cover time distributions of resetting random walks on graphs
16	Joy Kristelle C. De Mata (University of the Philippines Diliman)	Wilson O. Garcia	Hollow cathode argon DC glow discharge
17	Jonel F. Binamira (University of the Philippines Diliman)	Percival F. Almoro	Robust phase retrieval using unordered propagation on partial intensity patterns
18	Mario Juvenal S. Onglao III (University of the Philippines Diliman)	Percival F. Almoro	Effects of the number of beamsplitters used in single-shot multiple plane phase retrieval
19	Reginald Christian Bernardo (University of the Philippines Diliman)	Jose Perico Esguerra	Some consequences of the generalized uncertainty principle: energy levels, thin-layer quantization, and quantum dynamics
20	Jerome Taguba (University of the Philippines Diliman)	Bess G. Singidas, Vallerie Ann I. Samson, Roland V. Sarmago	Surface roughness study of solution-derived $\text{La}_{0.7}\text{Sr}_{0.3}\text{CoO}_3$ thin films
21	Rigil G. Tabuzo (University of the Philippines Diliman)	Percival F. Almoro	Enhanced phase retrieval using modified quad-histogram equalization
22	Phuong Thuy Bui (Duy Tan University)	Trinh Xuan Hoang	Post-translational escape of small nascent proteins at the atomistic ribosomal exit tunnel model
23	Rhenish C. Simon (University of the Philippines Diliman)	Jenny Lou Sagisi, Niña Angelica Zambale, Nathaniel Hermosa	Single layer graphene: A slab with finite thickness or an infinitesimally thin 2D material?
24	Jam Wong (University of the Philippines Diliman)	Herbert Domingo	Arbitrarily ordered basis operators as Hilbert space operators



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25	Ralph Farrales (University of the Philippines Diliman)	Herbert Domingo	Modified time kernel equation for quartic oscillator
26	John Adrian N. Villanueva (University of the Philippines Diliman)	Michael Francis Ian G. Vega II	Quantum corrections to the deflection angle of a gravitational wave by a massive scalar object
27	John Carlo Elmaguin (University of the Philippines Diliman)	Ian Vega	Orbital dynamics of a spinning particle in Schwarzschild spacetime using phase-plane analysis
28	Jeric Garrido (University of the Philippines Diliman)	Jose Perico H. Esguerra	A generalized Laplace-Runge-Lenz vector for logarithmic spiral trajectories
29	Jayson P. Cabanilla (University of the Philippines Diliman)	Nathaniel Hermosa	Color Ronchi pattern for fringe projection profilometry
30	Hazel Glaine L. Sales (University of the Philippines Diliman)	Giovanni A. Tapang	Information flow in dynamic networks with different noise-enhanced node capacities
31	Philip Caesar Flores (University of the Philippines Diliman)	Eric A. Galapon	Weak equivalence principle in the quantum regime: Compatibility with quantum mechanics via the different quantizations of the time of arrival operator
32	Kim S. Ponce (Mindanao State University-Iligan Institute of Technology)	Leo Cristobal C. Ambolode II, Diamond C. Domato, Naomi Jane P. Jacosalem	Electronic properties of hydrogen-adsorbed (6,0) single-walled carbon nanotube via density functional theory
33	Kristen Joyce R. Cervantes (University of the Philippines Diliman)	Kristen Joyce R. Cervantes, Giovanni A. Tapang	Information flow in noisy random networks
34	Diamond C. Domato (Mindanao State University-Iligan Institute of Technology)	Kim S. Ponce, Naomi Jane P. Jacosalem, Leo Cristobal C. Ambolode II	Density functional theory calculations of the electronic structure of metal-adsorbed (7,0) single-walled carbon nanotube
35	Jan Parvin B. Zoluaga (University of the Philippines Diliman)	Giovanni A. Tapang	Statistical comparison of word adjacency co-occurrence language networks



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36	John Jaykel Magadan (University of the Philippines Diliman)	Eric A. Galapon	Quantum time of arrival operators
37	Camille Victoria M. Cantor (University of the Philippines Diliman)	Vallerie Ann I. Samson, Roland V. Sarmago	Effect of magnesium chloride as salt additive to $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ film deposition
38	Jenny Lou Sagisi (University of the Philippines Diliman)	Joseph De Mesa, Lean Dasallas	Two-temperature model simulations of femtosecond pulse laser ablation of copper
39	Angelo P. Rillera (University of the Philippines Diliman)	Ysabella Cassandra F. Ong, Vallerie Ann I. Samson, Roland V. Sarmago	Grain densification in CeO_2 deposits grown via sedimentation deposition
40	Marcielow J. Callelero (University of San Carlos)	Danilo M. Yanga	Vertex corrections on the DC conductivity of spin polarons
41	Gene Itable (University of the Philippines Diliman)	Francis N. C. Paraan	Spectral gap of translationally invariant spin chains
42	Yagmur Kati (Institute for Basic Science)	Xiaoquan Yu, Sergej Flach	Density resolved wave packet spreading
43	Mike A. Bonachita (Mindanao State University-Iligan Institute of Technology)	Michael Jade Y. Jerez, Mark Nolan P. Confesor	Pair interaction of metallic Janus particles in optical vortex
44	Michael Jade Jerez (Mindanao State University-Iligan Institute of Technology)	Mike A. Bonachita, Mark Nolan P. Confesor	Transition probabilities in double optical potential with different types of noise
45	Anthony Val Camposano (University of San Carlos)	Roland Otadoy, Felix Buot	Non-equilibrium quantum transport using Lattice–Weyl Wigner transform
46	Le Thi Lien (University of Science and Technology of Hanoi)	Lien V. Nguyen	Quantitative study of electronic whispering gallery modes in electrostatic–potential induced circular graphene junctions