

Copy of SCHEDULE

NEXUS2025 Schedule

March 17-19,2025

Nakhonsawan Campus Project, Mahidol University

DATE	TIME	ACTIVITES	TITLE
March 17, 2025	9:00-09:30	Registration	
	09:30-10:30	Opening Ceremony	
	10:30 - 11:00	Tea Break	
	11:00 - 12:15	Keynote Lecture: Sanjay Jain	The origin of life: A puzzle for the origin and growth of complexity
	12:15 - 13:30	Lunch	
	13:30 - 14:15	Talk: Ajit Khosla	Data Driven Turnkey Systems
	14:15 - 15:00	Talk: Sanpawat Kantabutra,	Probability-Boosting Technique for Combinatorial Optimization and Open Problems for Quantum Computation
	15:00 - 15:30.	Tea Break	
	15:30 - 16:15	Talk: Ricard Sole (Online)	Liquid Brains
	16:15 - 16:45	Talk: Rawitat Pulam	Software And Emergence: A Computation and Information Perspective
March 18, 2025	09:00-10:00	Talk: M. S. Santhanam	Elections as a complex system : Margins, voter turnouts and universality
	10:00-10:45	Talk: Anirban Banerjee	Study of Diffusion in Networks using Hypergraphs
	10:45 - 11:00	Tea Break	
	11:00 - 11:45	Talk: Ganesh Bagler	Computational Gastronomy: A Complex Systems Approach to Food
	11:45 - 12:10	Contributed Talk 1: Yash Munnalal gupta	Bioinformatics Tools in Python: From Libraries to Custom Scripts
	12:10 -12:30	Contributed Talk 2: Lucky	Deciphering shared genetic targets and forecast treatment targets for ovarian, uterine, and cervical cancer by combined bioinformatics analysis and in vitro studies
	12:30 - 13:30	Lunch	
	13:30 - 14:15	Talk: Nivedita Deo	Random Matrix Theory and Multiplex Networks of Protein Structure
	14:15 - 15:00	Talk: Duangrudee Tanramluk	Bridging Chemical and Biophysical Complexity with MANORAA.ai Co-Scientist for Drug Discovery
	15:00 - 15:15	Tea Break	

Copy of SCHEDULE

	15:15 - 15:30	Contributed Talk 3: Kittiya Inchoedchay	Morphological Description of a Potential New Cave Cricket Species: Preliminary Identification and Analysis
	15:30 - 15:45	Contributed Talk 4: Pannapak Urairut	Complete mitochondrial genome of Long Cercus Field Cricket, Gryllus longicercus (Orthoptera: Gryllidae) and comparison with other cricket insects
	15:45 - 16:00	Contributed Talk 5: Kanawat Promsomboon	Comparative Analysis of Microsatellite Distribution Patterns Across Cricket Genomes
	16:00 - 16:15	Contributed Talk 6: Ugyen Dorji Tamang	Preliminary Assessment of Microcystis Detection in Freshwater Reservoirs of Phitsanulok
March 19, 2025	09:00-10:00	Talk: P. Manimaran	Emotional Network modeling and analysis on EEG signals
	10:00-10:45	Talk: Yuthana Sethapramote	Systemic Risk Measurement in Finance: Econometric and Physics-Based Approaches
	10:45 - 11:00	Tea Break	
	11:00 - 11:45	Talk: Burin Gumjudpai	Thermodynamics Formulation of Microeconomics: Formal Approach
	11:45 - 12:05	Contributed Talk 7: Somphoach Saichaemchan	Communicability on a Weighted Financial Multiplex threshold network
	12:05 - 12:30	Contributed Talk 8: Harsh Sable	Detection and Analysis of Cadmium Prevalence in Soil-Water Matrices of Industrial
	12:30 - 13:30	Lunch	
	13:30 - 14:15	Talk: P K Panigrahi (Online)	Hypergraph States: Quantum Correlations, Entanglement Structure and Applications Structure and Application
	14:15 - 15:00	Talk: Mayukha Pal (Online)	Graph theory for CausalAI – Overview and case study
	15:00 - 15:15	Tea Break	
	15:15 - 16:00	Talk: Indranil Mukherjee (Online)	Enhancement of customer experience in retail banking through assessment of customers' digital inclination and cross industry networking
	16:00 - 16:15	Contributed Talk 9: Duenpen Kochakornjarupong (Online)	Digital Assessment Quality Analysis for Interactive Learning: Application of Complex Functions and Machine Learning in a Data-Driven Model
	16:20	Closing comments	