

APCNCS 2026

Asia-Pacific Summer School and Conference on Networks and
Complex Systems

Programme

9 – 12 June 2026

Nanyang Technological University, Singapore



Scan for the online programme

Tuesday, 9 June 2026

Summer School

08:45 – 09:00

Registration & Welcome Coffee

09:00 – 09:10

Opening Remarks

Overview of summer school objectives

09:10 – 10:10

Lecture 1

Marton Karsai (Central European University, Austria)

Temporal Networks and Spreading Phenomena

10:10 – 10:30

Coffee Break

10:30 – 11:30

Lecture 2

Lock Yue Chew (NTU, Singapore)

Information Thermodynamics: Classical and Quantum Perspective



Abstract

11:30 – 12:30

Lecture 3

Misako Takayasu (Institute of Science Tokyo, Japan)

Money-Flow Network among About 1 Million Business Firms in Japan

12:30 – 14:00

Lunch Break

14:00 – 15:00

Lecture 4

Anirban Chakraborti (Jawaharlal Nehru University, India)

Complex Systems Studies using Machine Learning

Tutors: S. Biswas, H.K. Pharasi and A. Chakraborti

15:00 – 15:20

Coffee Break

15:20 – 16:20

Lecture 5

Academic Publication Workshop (APW)

Writing, Publishing Strategies, Peer Review Insights

16:20 – 17:20

Lecture 6

Jose Fernando Mendes (University of Aveiro, Portugal)

Navigating Through Complexity: From Emergence to Networks



Abstract

17:20 – 17:40

Panel Discussion / Open Q&A

All summer-school speakers (if available)

Research directions, careers, and interdisciplinary work

17:40 – 17:45

Closing Remarks

Wednesday, 10 June 2026

Conference Day 1

08:00 onwards

Registration

MAS Atrium

Invited Session 1

08:35 – 10:30

Room: SPMS-LT1 Chair: Siew Ann Cheong (NTU, Singapore)

08:35 – 08:45

Opening Address

Siew Ann Cheong (NTU, Singapore)

08:45 – 09:20

Advances in Complex Systems Invited Lecture

Marton Karsai (Central European University, Austria)

Socioeconomic Networks, Segregation Patterns and Their Dynamics



Abstract

09:20 – 10:05

Misako Takayasu (Institute of Science Tokyo, Japan)

Modeling the Gut Microbiome Ecosystem Based on a Random Multiplicative Process



Abstract

10:05 – 10:30

Panel Discussion 1: How to Do Impactful Research?

- Ginestra Bianconi (Queen Mary University of London, UK)
- Marton Karsai (Central European University, Austria)
- Hawoong Jeong (KAIST, Korea)

Moderator: Siew Ann Cheong (NTU, Singapore)

10:30 – 11:00

Coffee Break

MAS Atrium

Parallel Session 1

11:00 – 12:30

Economic and Financial Complexity I

Room: SPMS-LT1

11:00 – 11:15

Marta Zava (Bocconi University, Italy)

Network Motifs and the Rise of Entrepreneurial Ecosystems



Abstract

11:15 – 11:30

Galvin Ng (CSH Vienna, Austria), Damien Bertrand (EPFL, Switzerland), Luca Mungo (University of Oxford, UK), and François Lafond (University of Oxford, UK)

Synthetic Supply Networks



Abstract

Parallel Session 1 (cont.)

11:30 – 11:45

Imran Ansari, Shashi Jain, Srikant Iyer (IISc Bangalore, India)

Network-Based Portfolio Optimization from Denoised Financial Correlation Matrices



Abstract

11:45 – 12:00

Pawanesh (OP Jindal Global University, India), Charu Sharma and Niteesh Sahni (Shiv Nadar Institute of Eminence, India)

Communicability Reveals Crisis-Specific Structural Reorganization in Financial Networks



Abstract

12:00 – 12:15

Wei Ting Lim and Siew Ann Cheong (NTU, Singapore)

The Geometry of Panic: Multiscale Functional Analysis of Stock Market Dynamics



Abstract

12:15 – 12:30

Haoting Xie and Siew Ann Cheong (NTU, Singapore)

Information Dynamics and Structural Transitions in Nikkei 225 Correlation Networks



Abstract

Biological and Ecological Complexity I

Room: SPMS-LT2

11:00 – 11:15

Mi Jin Lee (Pusan National University, Korea) and Deok-Sun Lee (KIAS, Korea)

Heterogeneous Popularity of Metabolic Reactions from Evolution



Abstract

11:15 – 11:30

Felix V. Kohane, Guocheng Huang, Ihuan Gunawan, Daniel P. Neumann, John G. Lock (UNSW Sydney, Australia), Christine Chaffer (Garvan Institute for Medical Research, Australia)

Cell Molecular Signalling Dynamics, Including Noise, are Pre-Tuned by Cell Phenotypic State



Abstract

11:30 – 11:45

Rahul Verma (Amity University, India)

Co-Mutation Based Genetic Networks to Infer Temporal Mutation Dynamics in Ancient Human Mitochondrial Genomes



Abstract

11:45 – 12:00

Hon Lin Too, Farisan Dary, Isaac Si Yuan Ling, Dustin Erhard Theofilus, Ee Hou Yong (NTU, Singapore), Haiyi Liang (USTC, China)

Emergence of Hexanematic Order in a Growing Confluent Cell Monolayer



Abstract

12:00 – 12:15

Antai Tao (USTC, China)

Bacterial Strategies for Navigating Surface Constraints



Abstract

Dynamics on and of Complex Networks

Room: SPMS-LT3

11:00 – 11:15

Atiyab Zafar, Sanjay Jain (University of Delhi, India)

Rising Inequality and a 'Power Shift' from the Core to a Parasitic Periphery are Precursors of Collapse



Abstract

11:15 – 11:30

Suwannachad Suwannajitt (Chulalongkorn University, Thailand)

Universal Stagnation Dynamics in Quantum Imaginary-Time Evolution



Abstract

11:30 – 11:45

Eugene Tan (University of Western Australia, Australia)

Dimensions of Hypergraphs using Spreading Processes



Abstract

11:45 – 12:00

Liyana Truna, Fatimah Abdul Razak, Roslinda Nazar (Universiti Kebangsaan Malaysia, Malaysia)

Network-Based Characterization of Laminar Flow Using Complex Network Theory: A Data-Driven Analysis of Skin Friction and Heat Transfer



Abstract

12:00 – 12:15

Charli Chinmayee Pal and Prasanta Kumar Mahapatra (Siksha 'O' Anusandhan, India)

Exact Prime Density Reproduced Through Resonant Tunneling across a Double Barrier System



Abstract

12:15 – 12:30

Ram Pravesh Yadav, R.K. Brojen Singh, Anirban Chakraborti (Jawaharlal Nehru University, India), Hirdesh K. Pharasi (BML Munjal University, India)

Complex Dynamics of the Hindmarsh-Rose Neuron Model with Blue-Sky Catastrophe under a Magnetic Field and Noise



Abstract

Focus Session on Complexity of AI

Room: MAS Executive Classroom 1 Chair: Lock Yue Chew (NTU, Singapore)

11:00 – 11:30

Justin Dauwels (TU Delft, Netherlands)

When AI Becomes a Complex System: Agents, Emergence, and Real-World Applications (Invited)



Abstract

11:30 – 12:00

Thiparat Chotibut (Chulalongkorn University, Thailand)

Reinforcement Learning in Population Games: From Microscopic Chaos to Macroscopic Equilibrium (Invited)



Abstract

Parallel Session 1 (cont.)

12:00 – 12:15

Jaroonrak Omsap, Andri Pradana, Yew Soon Ong, and Lock Yue Chew (NTU, Singapore)

Deep Reinforcement Learning for Passenger Transfer Synchronization in a Bus Network



Abstract

12:15 – 12:30

Zheng Tien Kang, Peter Tsung-Wen Yen, Kelin Xia, Siew Ann Cheong (NTU, Singapore)

Building a Time Series Vision Transformer with Small, High-Resolution Datasets



Abstract

12:30 – 12:45

Andri Pradana, Lock Yue Chew, and Bo Yang (NTU, Singapore)

Discovery of Bus Control Strategies with Reinforcement Learning to Optimize Commuter-Centric Objective



Abstract

12:30 – 13:30

Lunch Break

MAS Atrium

Invited Session 2

13:30 – 15:30

Room: SPMS-LT1

13:30 – 14:00

Lock Yue Chew (NTU, Singapore)

Dynamical scheduling and statistical physics of city-scale bus network with reinforcement learning



Abstract

14:00 – 14:30

Sarah Russell (Peter MacCallum Cancer Centre & Swinburne University of Technology, Australia)

T cell development: Coordinated self-organisation at the level of the cell, the organ and the body



Abstract

14:30 – 15:00

Thiparat Chotibut (Chulalongkorn University, Thailand)

Robust Sequence Recognition in Random Neuronal Networks



Abstract

15:00 – 15:30

Meet the Editor Session

Marton Karsai

Editor-in-Chief, World Scientific Advances in Complex Systems

15:30 – 16:00

Coffee Break

MAS Atrium

Economic and Financial Complexity II

Room: SPMS-LT1

16:00 – 16:15

Ardian Maulana, Hokky Situngkir (ITB, Indonesia)

Cascade Regimes and Corridor Backbones in Indonesia's Production Network



Abstract

16:15 – 16:30

Pradeep Moturi and Siew Ann Cheong (NTU, Singapore)

Spatio-Temporal Topological Data Analysis of Ethereum's Transaction Data



Abstract

16:30 – 16:45

Sudip Sarkar and Soumyajyoti Biswas (SRM University, India)

Large Earthquakes Follow Highly Unequal Ones



Abstract

16:45 – 17:00

Einar C. Kjenstad (UiT The Arctic University of Norway, Norway), Peter Tsung-Wen Yen, Siew Ann Cheong (NTU, Singapore)

Estimating Parameter Heterogeneity in Decision Programs by Spatial Quasi-Differentiation (SQD)



Abstract

17:00 – 17:15

Mahdi Sayyadi (Åbo Akademi University, Finland)

Generative AI as a Complex Adaptive System: Adoption Dynamics and Emergent Entrepreneurial Practices in Finland



Abstract

17:15 – 17:30

Martin F. Diaz, Josep Perello, Miquel Montero (University of Barcelona, Spain)

Quantifying Adaptive Strategies in Regulated and Unregulated Simulated Housing Markets



Abstract

Biological and Ecological Complexity II

Room: SPMS-LT2

16:00 – 16:15

Manya Khanna, Sudeep Shukla (Institute for Interdisciplinary Research, India), Abbinav Sankar Kailasam (University College London, UK), Ashok Kumar, Priya Gupta, Anirban Chakraborti (Jawaharlal Nehru University, India), Rajiba Lochan Sahoo, Amiya Ranjan Bhowmick (Institute of Chemical Technology, India), Sourish Das (Chennai Mathematical Institute, India)

Complex Dynamical Study of ESG Factors and Crop Price Volatility in India



Abstract

Parallel Session 2 (cont.)

16:15 – 16:30

Athokpam Langlen Chanu, Youngjai Park, Jong-Min Park (POSTECH, Korea), Jaesung Choi (KIAS, Korea), Younghwa Cha, Joon-Young Moon (Sungkyunkwan University, Korea), UnCheol Lee (University of Michigan Ann Arbor, USA)

Human Brain State Classification via Permutation Entropy of EEG Phase Dynamics



Abstract

16:30 – 16:45

Soorya PP and Biswambhar Rakshit (Amrita School of Physical Sciences, India)

Emergence of Metastability in Spatially Embedded Neuronal Networks with Higher-Order Interactions



Abstract

16:45 – 17:00

Mengna Liu, Antai Tao, Rongjing Zhang, Junhua Yuan (USTC, China)

Shear-Induced Oscillations and Hydrodynamic Buffering Stabilize Sperm Surface Navigation



Abstract

17:00 – 17:15

Yasharth Yadav, Kelin Xia (NTU, Singapore)

Periodic Topological Deep Learning for Polymer Design and Discovery



Abstract

Health System Complexity

Room: SPMS-LT3

16:00 – 16:15

Siti Najiha Md Asari, Fatimah Abdul Razak, Nazarudin Safian (Universiti Kebangsaan Malaysia, Malaysia), Mohd Rahim Sulong, Wan Ming Keong (Ministry of Health, Malaysia)

Comparing Dengue Transmission Network Complexity Between High-Density and Low-Density Districts in Malaysia



Abstract

16:15 – 16:30

Saif Nasr, Inho Hong (Chonnam National University, Korea), Hyung Doo Kim (Hanyang University Churi Hospital, Korea)

Mapping the Network of Environmental Exposure Using Mixed Graphical Models



Abstract

16:30 – 16:45

Adithi Kalyanaraman and R. K. Kapilavani (Sri Venkateswara College of Engineering, India)

Higher-Order Drug Interaction Hypergraphs with Hybrid Quantum Optimization for Parkinson's Disease



Abstract

16:45 – 17:00

Muhamad Aiman Hakim, Fatimah Abdul Razak, Sakhinah Abu Bakar, Mohd. Salmi Md Noorani (Universiti Kebangsaan Malaysia, Malaysia)

Early Warning Signals and Sentinel Nodes in Network Epidemics



Abstract

Parallel Session 2 (cont.)

17:00 – 17:15

Jesus Felix B. Valenzuela, Erika Fille T. Legara, Christopher P. Monterola (Asian Institute of Management, Philippines), Paula Joy Martinez (Center for AI Research, Philippines)

Emergence of Consensus Proceeds in Phases: Tracking Themes Across the Negotiations of the WHO Pandemic Agreement



Abstract

Focus Session on Complexity of AI

Room: MAS Executive Classroom 1 Chair: Ling Feng (Institute of High Performance Computing, A*STAR Singapore)

16:00 – 16:30

Carlo Vittorio Cannistraci (Tsinghua University, China)

Brain-Inspired Sparse Network Science for Next Generation Efficient and Sustainable AI (Invited)



Abstract

16:30 – 17:00

Florian Rossmannek (NTU, Singapore)

State-Space Systems for Learning from Temporal Data (Invited)



Abstract

17:00 – 17:15

Dishant Sisodia and Sarika Jalan (Indian Institute of Technology Indore, India)

Dynamical Analysis of a Reservoir Computer



Abstract

17:15 – 17:30

Feixiang Ren and Ling Feng (National University of Singapore, Singapore)

Towards Critical Branching Mechanism in Recurrent Neural Networks



Abstract

17:30 – 17:45

Derek D. C. Chang, Graeme D. Berk, and Mile Gu (NTU, Singapore)

Complexity in Quantum Processes & Reservoir Computing



Abstract

Thursday, 11 June 2026

Conference Day 2

08:00 onwards

Registration

MAS Atrium

Invited Session 3

08:45 – 10:30

Room: SPMS-LT1 Chair: Anirban Chakraborti (Jawaharlal Nehru University, India)

08:45 – 09:20

Ginestra Bianconi (Queen Mary University of London, UK)

Learning the Topology of Higher-Order Networks from Their Dynamics



Abstract

09:20 – 10:05

Hawoong Jeong (KAIST, Korea)

Understanding Complex Systems via Network, Data, AI



Abstract

10:05 – 10:30

Panel Discussion 2: Forging International Collaborations

- Carlos Gershenson (Binghamton University, USA)
- Misako Takayasu (Institute of Science Tokyo, Japan)
- Leihan Tang (Westlake University, China)

Moderator: Anirban Chakraborti (Jawaharlal Nehru University, India)

10:30 – 11:00

Coffee Break

MAS Atrium

Parallel Session 3

11:00 – 12:30

Social, Cultural & Technological Complexity I

Room: SPMS-LT1

11:00 – 11:15

H. C. W. Price and T. S. Evans (Imperial College London, UK)

Understanding Main Path Analysis



Abstract

11:15 – 11:30

Gaurav Kottari (Shiv Nadar University, India)

Structural Pathways and Directional Spillovers: A Network Framework for SDG Prioritisation



Abstract

11:30 – 11:45

Monica Dhyani (Shiv Nadar Institute of Eminence, India)

User Taxonomy and Positional Dynamics in Online Innovation Networks: Evidence from Stack Overflow



Abstract

Parallel Session 3 (cont.)

11:45 – 12:00

Peter Yen, Yifei Li, Siew Ann Cheong (NTU, Singapore)

Applying Transformers and Transfer Learning for Training and Predicting Topological Features of AI Citation Networks



Abstract

12:00 – 12:15

Yuxuan Zhang and Ling Feng (National University of Singapore, Singapore)

Disassortative Mixing in Decentralized Social Network Due to Reciprocal Links



Abstract

12:15 – 12:30

Nishu and Atul Mishra (BML Munjal University, India)

Predictive to Prescriptive Analytics for Employee Attrition in Complex Workplace Systems



Abstract

Foundations of Networks and Complex Systems I

Room: SPMS-LT2

11:00 – 11:15

Riccardo Muolo (RIKEN, Japan), Hiroya Nakao (Institute of Science Tokyo, Japan), Marco Coraggio (Scuola Meridionale Superiore, Italy)

Weak Higher-Order Interactions Enhance Synchronization



Abstract

11:15 – 11:30

Pik-Yin Lai (National Central University, Taiwan)

Reconstructing Connection Weights and Topology of Directed Networks from Noisy Node Dynamics



Abstract

11:30 – 11:45

Rong-Chih Chang and Pik-Yin Lai (National Central University, Taiwan)

Steady-state Response Theory in Noisy Network Dynamics



Abstract

11:45 – 12:00

Minsoo Yang and Byungjun Min (Chungbuk National University, Korea)

Biconnectivity in Directed Graphs



Abstract

Urban Complexity I

Room: SPMS-LT3

11:00 – 11:15

Nikola Stupar (University of Belgrade, Serbia)

Temporal Structure and Multifractality of Mobility Networks During COVID-19: Empirical Analysis and Mechanistic Modeling



Abstract

Parallel Session 3 (cont.)

11:15 – 11:30

Sehyeong Kang and Inho Hong (Chonnam National University, Korea)

Urban Features Shape Variations in Distance Deterrence within Metropolitan Mobility Networks



Abstract

11:30 – 11:45

Hideki Takayasu, Haruka K. Ito and Misako Takayasu (Institute of Science Tokyo, Japan)

Equivalent Electrical Circuit Networks Representing Human Flow in Big Cities



Abstract

11:45 – 12:00

Isabella Rangel (University of Southern California, USA)

Optimizing Ethiopia's Crop Storage Infrastructure: A Geospatial and Network Science Approach



Abstract

12:00 – 12:15

Sebastian Felipe R. Bundoc, Paula Joy B. Martinez, Sebastian C. Ibanez (Center for AI Research, Philippines), Erika Fille T. Legara (Asian Institute of Management, Philippines)

Student Flow Modeling for School Decongestion via Stochastic Gravity Estimation and Constrained Spatial Allocation



Abstract

12:30 – 13:30

Lunch Break

MAS Atrium

Invited Session 4

13:30 – 15:30

Room: SPMS-LT1

13:30 – 14:00

Parongama Sen (University of Calcutta, India)

Nonlinear Biased q-Voter Models: Steady States and Persistence Behavior



Abstract

14:00 – 14:30

Fatimah Abdul Razak (Universiti Kebangsaan Malaysia, Malaysia)

The Social Architecture of Stories: Mapping Connectivity as a Blueprint for Malaysian Resilience



Abstract

14:30 – 15:00

Hsuan-Yi Chen (National Central University, Taiwan)

The Statistical Mechanics of Detecting Weak Molecular Signals in Small Complex Systems



Abstract

15:00 – 15:30

Meet the Editor Session

Jose Fernando Mendes

Editor-in-Chief, MDPI Complexities and Section Editor, MDPI Entropy

Focus Session: Games on Complex Systems

13:30 – 15:45

Runs in parallel with Invited Session 4.

Games on Complex Systems

Room: MAS Executive Classroom 1

13:30 – 14:30

Jie Zhao

Visual Evolutionary Optimization through Strategic Interactions on Graph-Structured Combinatorial Problems (Invited)

14:30 – 14:45

Kang Hao Cheong

Introduction to Parrondo's Games

14:45 – 15:00

Ee Hou Yong

Pareto Optimality and Evolutionary Trade-Offs in Nature

15:00 – 15:15

Ankit Mishra

When Switching Beats Choice in Network Routing: A Parrondo's Games Perspective (Invited)

15:15 – 15:30

Nixie Sapphira Lesmana, Ling Feng, Kan Chen and Choy Heng Lai

Self-Organization to the Edge of Ergodicity Breaking in a Complex Adaptive System



Abstract

15:30 – 15:45

Xiang Zhang

Adversarial Graph Topology Game: Wasserstein Distributionally Robust Graph Learning

15:30 – 16:00

Coffee Break

MAS Atrium

Parallel Session 4

16:00 – 17:30

Social, Cultural & Technological Complexity II

Room: SPMS-LT1

16:00 – 16:15

Azhari, Sparisoma Viridi, Acep Purqon (ITB, Indonesia), Roni Muslim (Universitas Sumatera Utara, Indonesia)

Exploring Multi-Opinion Dynamics in q-Voter Models



Abstract

16:15 – 16:30

Ip Ho Yan Ian and Siew Ann Cheong (NTU, Singapore)

Mapping Public Opinion onto Political Axes Using Language Models



Abstract

Parallel Session 4 (cont.)

16:30 – 16:45

Cynthia Siew (NUS, Singapore)

A Comparison of Associative Networks Between Genders: A Singapore English Case Study



Abstract

16:45 – 17:00

Alyssa April Dellow and Fatimah Abdul Razak (Universiti Kebangsaan Malaysia, Malaysia)

Quantifying Narratives: A Comparative Social Network Analysis of Upin & Ipin Across Series and Film



Abstract

17:00 – 17:15

Muhammad Abraar Abhirama and Siew Ann Cheong (NTU, Singapore)

Sentence-Level Information Analysis of Narratives



Abstract

17:15 – 17:30

Chee Hyun Park, Eun Lee (Pukyong National University, Korea)

International Postdocs and Academic Careers with Field-Specific Inequality and Institutional Prestige in South Korean Faculty Hiring



Abstract

Foundations of Networks and Complex Systems II

Room: SPMS-LT2

16:00 – 16:15

Peng Peng, Jiming Liu, and Liang Tian (Hong Kong Baptist University, Hong Kong)

Dynamics-Based Renormalization Group for Complex Networks



Abstract

16:15 – 16:30

Jian Wei Cheong, Andri Pradana, Lock Yue Chew (NTU, Singapore)

Maxwell's Uncertain Demon: Achieving Nonclassical and Enhanced Refrigeration when Causality Blurs



Abstract

16:30 – 16:45

Yuhao Wang, Andri Pradana, Jian Wei Cheong, Lock Yue Chew (NTU, Singapore)

Enhancing Performance and Operational Regimes of Quantum Otto Refrigerator with Heat Bath Algorithmic Cooling



Abstract

16:45 – 17:00

Erik Hormann (James Cook University, Australia) and Renaud Lambiotte (University of Oxford, UK)

Coarse-graining Directed Networks with Ergodic Sets Preserving Diffusive Dynamics



Abstract

Urban Complexity II

Room: SPMS-LT3

Parallel Session 4 (cont.)

16:00 – 16:15

Gyeong Won Jin, Eun Lee (Pukyong National University, Korea), Mi Jin Lee (Pusan National University, Korea)

Percolation Theory-Based Analysis of Sloped Pedestrian Networks



Abstract

16:15 – 16:30

HyungIn Cho, Kwangsin John Ahn, and SeGi Yu (Hankuk University of Foreign Studies, Korea)

Urban Store Distribution Explored through Subway Network in Seoul



Abstract

16:30 – 16:45

Dake Wu and Ling Feng (NUS, Singapore)

Recovery Dynamics Influence in Urban Traffic Capacity and Resilience



Abstract

16:45 – 17:00

Ziming Cheng, Dake Wu, Ling Feng (NUS, Singapore)

Quantifying Traffic Resistance and Supply Constraints: A Dual-Fluid RECM Approach based on Chengdu Taxi GPS Data



Abstract

Friday, 12 June 2026

Conference Day 3

08:30 onwards

Registration

MAS Atrium

Invited Session 5

08:40 – 10:30

Room: SPMS-LT1

08:40 – 09:20

Carlos Gershenson (Binghamton University, USA)

On the Limits of the Scientific Study of Complex Systems



Abstract

09:20 – 10:00

MDPI Entropy Invited Lecture

Jose Fernando Mendes (University of Aveiro, Portugal)

TBC

10:00 – 10:30

Leihan Tang (Westlake University, China)

Solving Spin Glass Problems Through Physics, Mathematics, and Computation: Spectral Condensation, Domain-Wall Cascades, and the Architecture of Complex States



Abstract

10:30 – 11:00

Coffee Break

MAS Atrium

Parallel Session 5

11:00 – 12:30

Social, Cultural & Technological Complexity III

Room: SPMS-LT1

11:00 – 11:15

Yukie Sano and Miyuki Murayama (University of Tsukuba, Japan)

Collective Memory Recall Dynamics on Wikipedia



Abstract

11:15 – 11:30

Eun Lee (Pukyong National University, Korea), Ovidia Stanoi, Kevin N. Ochsner (Columbia University, USA), Xie He, Peter J. Mucha (Dartmouth College, USA), Yoona Kang (Rutgers University, USA), Mia Jovanova (University of St Gallen, Switzerland), Amanda L. McGowan, David M. Lydon-Staley, Dani S. Bassett, Emily B. Falk (University of Pennsylvania, USA), Zachary M. Boyd (Brigham Young University, USA)

Functional and Structural Clustering of Social Relationship Layers Among College Students for Link Prediction with Applications to Perceived Drinking Networks



Abstract

Parallel Session 5 (cont.)

11:30 – 11:45

Yeonji Seo, Mi Jin Lee, Seung-Woo Son (Hanyang University, Korea), Hang-Hyun Jo (Catholic University of Korea, Korea), Yohsuke Murase (RIKEN, Japan)

How Wikipedia Article Connections Influence Editing Patterns



Abstract

11:45 – 12:00

Yifei Li, Peter Yen, Siew Ann Cheong (NTU, Singapore)

Applying Transformer Models to Predict Topological Features of AI Citation Networks



Abstract

12:00 – 12:15

Parul Shukla, Manya Khanna, Rajesh Dey (Institute for Interdisciplinary Research, India), Priya Gupta, Anirban Chakraborti (Jawaharlal Nehru University, India), Soumyajyoti Biswas (SRM University, India)

Multi-Layer Semantic Network Modeling of AI Governance as a Complex Adaptive System



Abstract

12:15 – 12:30

Lesley F Manatan (World Vision International, Philippines)

Digital Accessibility in the Philippines: A Complex Systems Perspective



Abstract

Computation and Information Processing

Room: SPMS-LT2

11:00 – 11:15

Sidney Wong (University of Otago, New Zealand)

User Behaviour as a Predictor of Grammatical Similarity within Digital Networks



Abstract

11:15 – 11:30

Jose Marie Antonio Minoza (Center for AI Research, Philippines), Erika Fille T. Legara, Christopher P. Monterola (Asian Institute of Management, Philippines)

Modularity, not Integration, Underlies Universal Computation in Complex Systems



Abstract