

Wednesday, October 15

08:00 - 10:00 **Tutorial #1: Introductory Tutorial on Agent-Based Modeling by Dr. Charles Macal**

10:00 - 11:20 **Talks: Networks & Graph Analytics**

Lynnette Ng, Divyaansh Sinha and Kathleen M. Carley. Star Network Motifs on X during COVID-19
Prasiddha Siwakoti, Ignacio Segovia-Dominguez and Vito D’Orazio. A Framework for Comparing Vertex-Distribution Graphs: Insights for Social and Conflict Studies
Evan Williams, Peter Carragher, Kyle Herdrich, Luke Prakarsa and Kathleen Carley. Extending the BEND Framework to Webgraphs
Daniele Bellutta and Kathleen Carley. Toward Evaluating Network Confidence Intervals

11:20 - 11:40 **20-min Coffee Break**

11:40 - 13:00 **Talks: Social Behavior & Communities**

Changyang Wu, Meryl Ye and Patrick Park. Tied to Place: Geographic Origins of Tie Survival
Wooyong Jung, Sola Kim, Dongwook Kim, Maryam Tabar and Dongwon Lee. A New Lens on Homelessness: Daily Tent Monitoring with 311 Calls and Street Images
Nick Rogers and Jason Jones. Measuring Trends in Identity Transition Using Social Media Bios: A Methodology and Proof of Concept
Tope Falade and Nitin Agarwal. Examining Generational Influence in Online Toxicity: Context-Dependent Patterns in Health and Political Discourse

13:00 - 14:00 **1-Hour Lunch**

14:00 - 15:45 **Poster Lightning Talks - 3 mins**

Siyuan Zhai, Jeongkeun Shin, L. Richard Carley and Kathleen Carley. A Machine Learning Surrogate Approach for Scalable Design Optimization in Cybersecurity Simulation
Srushti Srikanth, Priyadarshini V, Ananya Sripuram and Kokila P. KathaYatra- Retrieval Augmented Generation for Personalised Cultural Narratives in Tourism
Isha Nitin Shetye, Anurag Rajesh Mahajan and Alina Vereshchaka. Real-Time Accident Risk Prediction via Stereo Vision and Driver Behavior Analysis
Jonathan Morgan, Jake Shaha, Rebecca Marigliano, Matthew Hicks and Kathleen Carley. GhostField: Simulating an Integrated Information Training Environment at Scale
Zubair Zabir and Jasser Jasser. Predicting Social Unrest and Political Risk Using GDELT: A Systematic Literature Review
Meghan Wilkinson and Robert Thomson. What Does Normal Even Mean? Evaluating Benign Traffic in Intrusion Detection Datasets
Parth Ganeriwala, Miki Matsumuro, Frank Ritter and Siddhartha Bhattacharyya. Enabling Formal Verification in a Common Model of Cognition
Chaewan Chun, Lysandre Terrisse, Delvin Ce Zhang and Dongwon Lee. MAD: A Benchmark for Multi-Turn Audio Dialogue Fact-Checking
Parush Gera and Tempestt Neal. MLSD: A Few-Shot Learning Framework for Domain Adaptation in Stance Detection
Saketh Vishubhatla, Ujun Jeong, Bohan Jiang, Paras Sheth, Zhen Tan, Adrienne Raglin and Huan Liu. Assessing On-the-Ground Disaster Impact Using Online Data Sources
Parth Ganeriwala, Siyu Wu, Siddhartha Bhattacharyya and Frank Ritter. Evaluating LLM Translation for Prompt-Enhanced ACT-R and Soar Models
Salim Sazed and Sumnan Azade. Evaluating Large Language Models for Analyzing Suicidal Social Media Health Narratives
Samantha Phillips and Kathleen Carley. More identities, more problems: Managing multiple identities in digital self-presentations
Derun Xia, Kayo Fujimoto and Sahiti Myneni. Towards a framework integrating peer networks and narratives related to Alzheimer’s and Related Dementias in social media: a case study on Bluesky
Peter Constant and Arvinder Ginda. A Socio-Cognitive Model to Countering Indoctrination Efforts
Diwash Poudel, Nitin Agarwal and Sayantan Bhattacharya. Studying Emotional and Trust-building Effects of Symbolic Communication on YouTube
Shadi Shajari and Nitin Agarwal. Uncovering Structural Consistency in YouTube Channels
Devansh Shrestha, Ankit Singh and Varun Dutt. Prospect-Theoretic Instance-Based Learning: A Hybrid Model of Repeated Choices in Experience-Based Decision Making
Samer Al-Khateeb, Caleb Cannon and Conler Simmons. Examining Hashtag Co-Occurrence Network on BlueSky: A Multi-Case Study of Protest Movements
Dharna Prasad and Nisheeth Srivastava. Measuring caste homophily in a Professional social network
Samantha Clark, Scott Renshaw and Kathleen Carley. High Tension Beliefs in High Ambiguity Information Environments: A Framework for Analyzing COVID-19 Origin Theories on Twitter/X
Ravi Teja Karumuri and Huan Liu. Interpretable Features for Distinguishing Machine Generated News Articles
Ridwan Amure and Nitin Agarwal. Evaluating Synthetic Data Generation Methods for Anomalous Channel Detection in Sparse-Label Environments
Mayor Inna Gurung and Nitin Agarwal. Competing Narratives during Conflicts: Modeling Narrative Diffusion on Telegram in the Russia–Ukraine Conflict
Mohammad Hammas Saeed, Manan Suri, David Broniatowski, Erica Gralla, Haneen Al-Rashid, Joseph Simons and Giovanni Luca Ciampaglia. Simulating trustworthy content delivery on social media by manipulating algorithms and architecture
Nurun Naher, Gita Sukthankar and Paul Foster. The Impact of Prompt Engineering on LLM-Synthesized Behavior Trees
Ariana Mondiri and Samer Al-Khateeb. Examining Mobs Images Using Vision-Language Models
Neha Sharma and Abhinav Arya. Prisoner’s Dilemma: Integrating LLM into Agent-Based Simulation
Li Wang. Integrating Machine Learning and Survival Analysis to Predict Medical Innovation Adoption in Social Networks Settings
Kyle Herdrich, Luke Prakarsa, Evan Williams and Kathleen Carley. Graph Neural Networks to Predict Technological Adoption
Tim Lee, Sanya Jaffar and Erica Barton. Social Interactions and Medical School Graduation Year: Key Predictors of New Antibiotic Adoption
Grace Bai and Aurora Schmidt. Modeling the Spread of Rumors in Large Language Model-Integrated Agent-Based Simulations
Eshaan Prasad Mathakari, Kashyap Sai Prasad Nadendla, Tanya Evita George and Zenith Prakash Kumar Mesa. Antelligence: LLM-Powered Emergence in a Simulated Foraging Ant Colony
Noel Boland and Charles Macal. Agentic AI for Epidemic Simulation: Integrating LLM-Guided Decision Making into Agent-Based Infectious Disease Models

15:45 - 16:00 **15-min Coffee Break**

16:00 - 16:40 **Talks: Methods & Theory 1**

Serhii Serdiuk and Frank Ritter. Toward a More Unified ACT-R Cognitive Architecture
Monoarul Bhuiyan and Nitin Agarwal. Structure, Semantics, and Attraction: Analyzing Homophily in Recommender Networks

16:40 - 18:00 **Keynote #1 - Lynn Smith-Lovin**

18:00 - 20:00 **Reception & Poster Session**

Legend **SBP-BRiMS 2025 papers**
IDEAS 2025 papers