CAPS 2017
Complexity-Based Analytics and Policies for Social Good

Organizer: The Journal for Policy and Complex Systems
Host: The Center for Complexity in Business, Robert H. Smith School of Business, UMD

Wednesday 12th
Registration / Check-in opens at 11:00 am
Opening remarks and welcome: 12:15 pm – 12:30 pm

Session 1: 12:30 pm – 1:30 pm
Asim Zia and Chris Koliba: Agent Based Modeling of Intergovernmental Networks: Harnessing Experimental Simulations for Transportation Policy Informatics
Liz Johnson and Maury Seldin: Plato’s Cave May Unite Americans and Save Democracy but Not Without Analytics

BREAK: 30 MINUTES

Session 2: 2:00 pm – 3:30 pm
Panel Discussion

BREAK: 30 MINUTES

Session 3: 4:00 pm – 5:00 pm
Keynote: Chris Barrett, Biocomplexity Institute, Virginia Tech

Thursday 13th
Session 4: 8:30 am – 10:00 am
Pratik Mital, Roxanne Moore, and Donna Llewellyn: Education System Intervention Modeling Framework
James Thompson, Trevor Caskey, Alison Dingwall, and Zoe Henscheid: Citizen-centric Government Ecosystem: An Agent-based Approach to the Theory of Planned Behavior
John Hanley and Donna Rizzo: A Novel Evolutionary Algorithm to Mine Noisy Survey Datasets with an Application Towards Combating Chagas Disease

BREAK: 15 MINUTES

Session 5: 10:15 am – 11:45 am
Nazmiye Gizem Bacaksizlar and Mirsad Hadzikadic: Modeling Social Media Effect on Civil Revolutions
Jeremy Throne: Censorship as/and Social Good: Modeling the Publication of Mark Twain’s Autobiography
Kyle Ballard and Brant Horio: Modeling a Victim-Centered Approach for Detection of Human Trafficking Victims Within Migrant Camps
BREAK: 30 MINUTES – LUNCH SERVED

**Session 6 (during lunch):** 12:15 pm – 1:45 pm

**Panel Discussion**

BREAK: 15 MINUTES

**Session 7:** 2:00 pm – 3:00 pm

Rob Axtell, Department of Computational Social Science, George Mason University

BREAK: 30 MINUTES

**Session 8:** 3:30 pm – 5:00 pm

- Martin Schmidt: *Historic Innovation and Technological Change: Effects on Legal Citation Behavior*
- Fred Wulczyn and John Halloran: *Modeling Complexity in Human-Built Systems: New Approaches, New Findings in Foster Care*
- Chen Wang, Mankad Shawn, and William Rand: *How Social Media Can Improve Donation Campaigns*

DINNER / BANQUET: 7:00 PM – 7:00 PM – Elephant and Castle, 1201 Pennslyvania Ave NW

Friday 14th

**Session 9:** 9:00 am – 10:30 am

- Miron Kaufman, Sandra Kaufman, and Hung The Diep: *Scenarios of social conflict dynamics on duplex networks*
- Peter Davis and Roy Lay-Yee: *New Zealand as a "social laboratory:" A discrete-time dynamic micro-simulation model*
- Shang Wu, Asim Zia, Mengyuan Ren, and Kent Messer: *Simulating Heterogeneous Farmers under Different Policy Schemes: Integrating Economic Experiment and Agent-Based Modeling*

BREAK: 30 MINUTES

**Session 10:** 11:00 am – 12:30 pm

- D. Cale Reeves: *A Method for Deriving Social Networks from Route Analysis Using Open Data: an Application for Agent-Based Modeling*
- Elizabeth von Briesen, N. Gizem Bacaksizlar, and Mirsad Hadzikadic: *Modeling Genocide at the System and Agent Levels*

Closing Remarks and Future Plans
End of conference

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