

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, April 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 (Chair: Mirsad Hadzikadic)

- 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 (Chair: Mirsad Hadzikadic)

Keynote: Chris Barrett, Biocomplexity Institute, Virginia Tech

Thursday, April 13th

Session 4: 8:30 am – 10:00 am (Chair: Ted Carmichael)

- 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 (Chair: N. Gizem Bacaksizlar)

- N. 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 (Chair: Mirsad Hadzikadic)

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

BREAK: 30 MINUTES

Session 8: 3:30 pm – 5:00 pm (Chair: William Rand)

- 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 – 9:00 PM – Elephant and Castle, 1201 Pennsylvania Ave NW

Friday, April 14th

Session 9: 9:00 am – 10:30 am (Chair: Dave Dixon)

- Miron Kaufman, Sanda 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 (Chair: Elizabeth von Briesen)

- 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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