

CSSSA2015 Conference Schedule

Thursday, October 29

6:00 – 9:00 PM, Opening Reception

Friday, October 30

Welcome and Opening Remarks

8:30 – 8:45 **Tim Gulden**: President, CSSSA

Morning sessions

8:45 – 10:15 Session 1 – Chair: **Matt Koehler**

The Spatial Allocation Of Renewable Power Infrastructure - An Economic Assessment of Energy Landscapes with an Agent-Based Modelling Approach.

Thomas Lauf, Erik Gawel, and Karin Frank.

*The Spontaneous Emergence of Language Variation from a Homogeneous Population.**

Robin Clark and Steven Kimbrough.

How Much Abuse Can Markets Take? On the Structural Effects Corporate Income Redistribution.

Peter Bodo.

—15 minute break—

10:30 – 12:00 Session 2 – Chair: **Ted Carmichael**

Exploring Collective Behavior in Social Computation Through Relational Statistical Models.

Elisabeth Baseman and David Jensen.

Cobb-Douglas vs. Heuristic Residential Location Selection in Land Use Models: A Comparison of Decision-making Models.

Vincent Kane.

Evidence for Allometric Scaling of Government Services in American Cities.

Tim Gulden, Matt Koehler, Steve Scott, and Zoe Henscheid.

Keynote lunch

12:15 – 1:45 Catered lunch with talk by **Robert Axtell**

Introduction by: Tim Gulden

Afternoon sessions

2:00 – 3:30 Session 3 – Chair: **Manuel Castañón-Puga**

*Generating Anthropological and Archaeological Hypotheses in Okinawa through Agent-Based Simulation.**

Fumihiko Sakahira and **Takao Terano.**

*Best Paper nominees

Archaeology Encounters the Agent.
Wendy H. Cegielski and **J. Daniel Rogers**.

Using an Urban Growth Simulator for Ensenada City Public Policy Analysis.
Javier Sandoval, Manuel Castañon Puga, and Carelia Gaxiola.

—15 minute break—

3:45 - 5:15 Session 4 - Chair: **Caroline Krejci**

An Agent-Based Model of Innovation in Organ Transplant Data.
David Dixon and Sarah Stith.

An Agent Based Approach to Study Incubation in Innovation Ecosystems.
Ivan Garibay, Mustafa Akbas, **Chathika Gunaratne**, Ozlem Garibay, and Thomas O'Neal.

*Social Learning Strategies, Network Structure and the Exploration-Exploitation Tradeoff.**
Daniel Barkoczi and **Mirta Galesic**.

Banquet

6:00 - 9:00 Conference banquet with talk by **Geoffrey West**
Introduction by: Mirsad Hadžikadić

Saturday, October 31

Morning sessions

8:30 - 10:00 Session 5 - Chair: **Elisabeth Baseman**

The Effect of Expertise in Norm Formation.
Ozgur Aydogmus, Hasan Çağatay, Erkan Gurpinar, and Fuat Oguz.

Towards Decision Making Systems from Data Ethnography for Agent-Based Simulation using Computational Intelligence.
Ray Parra, Manuel Castañón-Puga, and Carelia Gaxiola-Pacheco.

Evolutionary Computation Applied to Agent-Based Simulation Modeling of Climate and Social Dynamics.
Jeffrey Bassett and Claudio Cioffi.

—15 minute break—

10:15 - 11:45 Session 6 - Chair: **Hasan Çağatay**

Exploring Organizational Learning and Structuring.
Luciano Oviedo, **Matthew Koehler**, and Michael Taylor.

Modeling Community Resilience for a Post-Epidemic Society.
Shaun Michel and **Karine Megerdooian**.

*An Agent-Based Dynamic Model of Politics, Fertility and Economic Development.**
Zining Yang.

*Best Paper nominees

Lunch Break

12:00 - 1:30 Lunch on your own in Santa Fe

Afternoon sessions

1:45 - 3:15 Session 7 - Chair: **Mirsad Hadžikadić**

Political Speech: Poem, Preaching, Performance? A Pilot Computational Study.

Russell Gonnering and Julie Lein.

Collective Decision Making on Complex Landscapes.

Giuseppe Carbone and **Ilaria Giannoccaro**.

Modeling Competitive Beliefs on Social Network.

William Leibzon.

—15 minute break—

3:30 - 5:00 Session 8 - Chair: **Dave Dixon**

Optimizing Aggressiveness in Stock Trading Simulations.

Zheyuan Su and **Mirsad Hadžikadić**.

*Evaluating Producer Selection Policies in Intermediated Regional Food Distribution Systems: An Agent-Based Approach.**

Caroline Krejci, Richard Stone, Michael Dorneich, and Stephen Gilbert.

Predator-Prey Dynamics and the Red Queen Hypothesis: Putting Limits on the Evolutionary Arms Race.

Ted Carmichael and Mirsad Hadžikadić.

Poster Reception

5:00 - 6:30 Reception with refreshments

Sunday, November 1

Morning session

9:00 - 10:30 Session 9 - Chair: **Tim Gulden**

Modern Value Chains and the Organization of Agrarian Production.

Heath Henderson.

An Agent-Based Model to Understand the Effect of Interactions Between Federal, State and Local Governance on the Distribution of Educational Resources.

Davoud Taghawi-Nejad.

Towards an in silico Experimental Platform for Air Quality: Houston, TX as a Case Study.

Bianica Pires, Gizem Korkmaz, Katherine Ensor, David Higdon, Sallie Keller, Bryan Lewis and Aaron Schroeder.

Business Meeting

10:45 - 12:00 Society update and election of Treasurer

12:00 Adjourn

*Best Paper nominees

Poster Session

Island World: Using Serious Gaming for Predictive Migration Modeling. Matt Campbell, William Glisson, David Bourrie, and Devin White.

Using Digital Trace Data to Examine the Social Dynamics of Scientific Teams. Laura Anderson and Cheryl Kieliszewski.

Behavioral Modeling for Epidemic Planning and Response. Abhijin Adiga, Achla Marathe, Madhav Marathe, and Anil Vullikanti.

Heterogeneous Behaviors and Direct Interactions in Artificial Stock Markets. Talal Alsulaiman and Khaldoun Khashanah.

A Simple Model of Coevolution for Macroscopic and Microscopic Levels. Matteo Morini and Pablo Jensen.

Computer-based Modeling and Simulation (M&S) for Increased Policy Effectiveness. Corey Lofdahl.

Using Agent-Based Modeling to Characterize Exposure Related Behaviors Improving on Record Based Approaches. Paul Price, Rogelio Tornero-Velez, Kristin Isaacs, and Kathie Dionisio.

Downtown Dynamics Model as a Test Bed for Jacobs' City Diversity Conditions. Toshiyuki Kaneda.

An Agent Based Simulation of Human and Nature Dynamics. Zining Yang, Patrick Neal, and Mark Abdollahian.

The Interplay between Influenza Epidemiology and Vaccination Behavior: An Inductive Reasoning Game approach with Social Networks. Raffaele Vardavas, Christopher Markcum, Andrew Parker, Courtney Gidengil, Sarah Nowak, and Amber Jaycocks.

System of System based Approaches to Oil & Gas Industry: A Regional Behavioral Analysis Framework. Raul Trujillo-Cabezas.

MassMine: A Solution To The Data Accessibility Problem. Nicholas Van Horn.

Examining Workplace Productivity using Multimodal Data: Results from a Pilot Study. Amruta Deshmukh, David Clarence, Gauri Deshpande, Heena Aggarwal, Mahadev Padwal, Mayuri Duggirala, Meghendra Singh, Ravi Mahamuni, Sachin Patel, Shivani Sharma, Vaibhav Sharma, Vinay Katiyar, and Vivek Balaraman.