

CSS 2022 Accepted Papers and Posters

Papers

A method to differentiate ‘fringe’ and ‘mainstream’ beliefs , and its application to narratives on Russia, Ukraine, and Putin’s 2022 War

Peter Chew, Matthew Fort and Jonathan Chew

The Role of Communication and Network Technologies in the Dynamics of Social Movements

Krystyna Marcinek, Rushil Zutshi, Omair Khan, Justin Grana, Marek Posard, Todd Helmus and Aaron Frank

An Agent-Based Model to Explore Belief and Behavioural Change in a Classroom

Keegan Fernandes, Daniel Davison and David Wang

Interactions, Model Mechanisms and Behavioral Attractors in Complex Social Systems

H Van Dyke Parunak and Santiago Núñez-Corrales

Designing Computer Systems for Policy Decision Support: Lessons learned from DoD R&D

Corey Lofdahl

Beyond Diamond-Dybvig: Agent-Based Models of Bank Runs

John Schuler

Modeling Farmers’ Adoption Potential to New Bioenergy Crops: An Agent-based Approach

Kazi Ullah and Andrew Crooks

Higher-order interactions in ABM: a case study using topologically-perturbed voter models

Santiago Núñez-Corrales, Rajesh Venkatachalapathy, Jeffrey Graham and Srikanth Mudigonda

Foraging Games: Ideal and Not

Robin Clark and Steven Kimbrough

Policy levers to traverse the “Valley of Death” – which to pull, when, and how hard?

D. Cale Reeves, Daniel Matisoff, Mathias Zacarias and Arnav Rao

Flocking with Only Two Parameters

Dashiell Bhattacharyya and William Kennedy

Investigating Emergency Responders' Roles in a Dirty Bomb Event With an Agent-Based Model

Ellie Chen and William Kennedy

Modeling Macaque Fighting Dynamics with the Evolutionary Model Discovery Framework to Understand Its Application and Utility

Matthew Koehler

Introducing Land Constraints to Macroeconomic Agent-based Models

Jacob Kelter, Uri Wilensky and Joseph Potvin

Evaluating a Crowd Logistics Network Using Agent-Based Modeling

Preetam Kulkarni and Caroline Krejci

Entropy-Based Heuristic Approach For The Quantum-Like Generalization of Social Contagion

Ece Mutlu and Ozlem Ozmen Garibay

Understanding Genocide Through Emotion Detection in Historic Documents

Elizabeth von Briesen, Michael Garvin and Samira Shaikh

Natural Language Processing of Structured Text Elicitations around the Replicability of Scientific Claims

Samer Atshan, Carlos Calvo-Hernandez, Timothy Gulden and Aaron Frank

Posters

Learning Agent Goal Structures by Evolution

H Van Dyke Parunak

The role of controversiality in influencing skepticism in climate change discourse

Hanin Alhaddad, Jasser Jasser and Ivan Garibay

An Agent-Based Modeling Approach to Food Deserts

Margaret Bickerstaffe and Elizabeth von Briesen

A General-Purpose 'Economic Petri Dish' ABM with 'Land' and 'Organization' to Test Indexed Pricing Methods for Stability and Resilience

Jacob Kelter, Jacob Wit, William Conboy, Joseph Potvin and Uri Wilensky

ABM of Financial and Informational Policy Interventions in Client-Broker Bidding

Mathias Zacarias, D. Cale Reeves and Daniel Matisoff

Individual Production Basis of the Cobb-Douglas Production Equation

Mihika Dusad and William Kennedy

The role of political affinity as an outgroup aversion factor for influencing state-level vaccination rates

Bruce Miller and Ivan Garibay

Using Artificial Societies to Better Understand the Social and Human Impact of Policies for Mitigating Climate Change Effects

Bianica Pires, Andreas Tolk, Jon Cline, Gabriel Maayan and Sam Cohen