THURSDAY OCTOBER 22, 2020 (DAY 1)

Session 1: Zeroing in on zero-intelligence: Externalism, automaticity and opaqueness
(October 22, 2020, 9:00-10:30 EDT New York, USA)

Moderator: Dave Cliff

a. Enrico Petracca: Zero-intelligence in ‘externalist’ new institutional economics
b. Shaun Gallagher: Zero-intelligence and human automaticity at two extremes
c. Antonio Mastrogiorgio: Opaqueness as a mark of minimal-intelligence

Session 2: Trading with Zero/Minimal Intelligence
(October 22, 2020, 11:00-12:30 EDT New York, USA)

Moderator: Daniel Ladley

a. Dave Cliff: Extending Zero and Minimal Intelligence Trader Agents to Exhibit Size-Impact Effects
c. Fan Gao and Daniel Ladley: Endogenous network in OTC markets

Session 3: Panel Discussion on Structural Rationality  
(October 22, 2020, 13:00-15:00 EDT New York, USA):

Moderator: Shyam Sunder, Robert Axtell, Gerd Gigerenzer, Charles R. Plott, Larry Samuelson

FRIDAY OCTOBER 23, 2020 (DAY 2)

Session 4: Agent-based Computational Economics and Zl/MI Agents  
(October 23, 2020, 9:00-10:30 EDT New York, USA)

Moderator: Friederike Wall

a. Shu-Heng Chen: Less is More: Minimal Intelligence in the History of Cognitive Science  
b. Stephan Leitner and Friederike Wall: Micro- and Macro-Dynamics in Hidden-Action Relationships with Limited Information  
c. Friederike Wall: Hill-Climbers or Satisficers? On the Intelligence of Managerial Search in Agent-based Models

Session 5: Uncertainty and Experiments  
(October 23, 2020, 11:00-12:30 EDT New York, USA)

Moderator: Heinrich H. Nax

a. Barbara Ikica, Peiran Jiao, Aidas Masiliūnas, and Heinrich Nax: From Skinner Box experiments to Black Box games: radical behaviorism for experimental game theory  
c. Deborah Olukan, Jonathan Ward, Nicolas Malleson and Jiaqi Ge: Agent-Based Computational Economics: Heterogeneous Expectation Formation

Session 6: Algorithms and Markets  
(October 23, 2020, 13:00-14:30 EDT New York, USA)

Moderator: Robin Nicole

a. Edgardo Bucciarelli, Andrea Oliva: Notes on algorithmic research, aggregations in economic theory, and the unilateralism of the induction principle  
b. Dave Cliff, Methodological Mess-ups in Modelling Markets with Minimal-Intelligence Agents
Robin Nicole, Aleksandra Alorić, and Peter Sollich: Fragmentation in trader preferences among multiple markets: Market coexistence versus single market dominance

SATURDAY OCTOBER 24, 2020 (DAY 3)

Session 7: Aggregation Theory and Evidence
(October 24, 2020, 9:00-10:30 EDT New York, USA)

Moderator: Dan Gode

a. Florian Artinger, Gerd Gigerenzer and Perke Jacobs: How Taxi Drivers Terminate Their Shifts when earnings Are hard To Predict
b. Yuji Aruka, Yoshihiro Nakajima, and Naoki Mori: The Minimum Heterogeneous Agent Configuration to Realize the Future Price Time Series Similar to Any Given Spot Price Time Series in the AI Market Experiment
c. D. K. Gode: Does the Shape of Extramarginal Demand and Supply Matter?

Session 8: Dynamic Models and Beauty Contest
(October 24, 2020, 11:00-12:30 EDT New York, USA)

Moderator: Rosemarie Nagel

b. Jess Benhabib, John Duffy and Rosemarie Nagel: How to Protect against Zero Intelligence: Idiosyncratic Signals in Beauty Contest Games

Session 9: Software Platforms for ZI/MI Simulations
(October 24, 2020, 13:00-14:30 EDT New York, USA)

Moderator: Shabnam Mousavi

a. Paul Brewer: Introduction and Overview of the Econ1.Net Robot Trading Laboratory:
b. Shabnam Mousavi and Shyam Sunder: Market Net Organization

Session 10: Properties of Market Institutions (Organized by Shabnam Mousavi, October 24, 2020, 15:00-16:30 EDT New York, USA)

Moderator: Elena Asprouhova
b. Abhijeet Anand, Peter Bossaerts, Shijei Huang, Max Hunt, Robert Woods, Nitin Yadav: How Trade Can Cause Heavy-Tailed Prices in an Economy With Gaussian Fundamentals
c. Elena Asparouhova, Dylan Finlayson, Debrah Meloso, Jan Nielsen, Christine Parlour, Gus Stevens, Wenhao Yang: Algorithms and the CAPM

Conference Website

Register Here

Questions? Email ziconference@yale.edu