

DFC 2016	DAY 1	Friday, November 11, 2016	Old Chatham Ballroom I
8:00 - 9:00	Registration		
9:00 – 9:15	Opening	Paul Wang, Guandong Xu, and Shu-Heng Chen	
9:15 - 9:50 Chair: William Lawless	Keynote speech: Prof. Leigh Tesfatsion	Iowa State University	Economic Systems as Constructively Rational Games: Oh, the Places We Could Go!
9:50 - 10:25 Chair: William Lawless	Keynote speech: Prof. Claudio Cioffi-Revilla	George Mason University	A von Neumann Operator for Exact Analytical Calculus of Hybrid Functions in Complex Systems
10:25 - 10:45	Break		
10:45 - 12:15 Emergent Computing Chair: William Kretzschmar	William Lawless <hr/> William Kretzschmar John Rust Anamaria Berea	Paine College <hr/> University of Georgia Georgetown University Center for Complexity in Business, UMD and George Mason University	Von Neumann, Social (Quantum) Reality, and Interdependence <hr/> Cellular Automata for Modeling Language and Culture Numerical Dynamic Programming (Wiley StatsRef) Emergence of Communication in Social and Biological Networks
12:15 - 13:30	Lunch		
13:30 - 14:40 Big Data in Spatial and Economic Dynamics Chair: Michael Gavin	James Fain <hr/> Michael Gavin <hr/> Joungwon Kwon	Oklahoma State University <hr/> University of South Carolina, Columbia, USA <hr/> Chung-Ang University	The Impact of Intercity Road Systems on Urban Development <hr/> Extracting Economic and Cultural Data from Georeferentially Rich Corpora: A Case Study in Nineteenth-century Scottish Industrialization <hr/> Obstacles in Utilizing Big Data in Korean Businesses
14:40 – 16:30 Cosmos + Taxis Sponsored Session on Hayekian Political Economy Chair: David Emanuel Andersson	Keynote speech: Prof. Bruce Caldwell <hr/> Roger Frantz <hr/> Francesco di Iorio <hr/> Marek Hudik	Duke University <hr/> San Diego State University <hr/> Nankai University <hr/> Xi'an Jiaotong-Liverpool University	F. A. Hayek and the Theory of Complex Phenomena <hr/> Hayek, Big Data, and the Behavioral Economics Revolution <hr/> Hayek as a Methodological Individualist <hr/> Two Notions of Equilibrium: Hayek and Nash
16:30 - 16:50	Break		
16:50 - 17:25 Chair: Paul Wang	Keynote speech: Susan Freya Olive	Olive and Olive	“Too Big to Fail?” - Intellectual Property Protection of Big Data
17:25 - 18:35 Multiple Equilibrium and Complex Dynamics Chair: Zakaria Babutsidze	Zakaria Babutsidze <hr/> Duk Hee Lee <hr/> Mei Zhu	SKEMA Business School OFCE, Sciences Po <hr/> KAIST <hr/> Shanghai University of Finance and Economics	Equilibrium Selection in Search Models: A Dynamic Analysis <hr/> Vulnerability Index: Disentangling Iterative Contagion in International Financial Markets <hr/> Restricted Perceptions Equilibria of an Asset Pricing Model with Misspecification and Heterogeneity
19:10 - 21:10 Chair: Shu-Heng Chen	Banquet Speaker: Sam Wang	Synchrony Financial	Communications, Consumers, Corporations and Innovation in an Increasingly Disruptive World and Economic Environment

DFC 2016	DAY 2	Saturday, November 12, 2016	Old Chatham Ballroom I
8:30 - 9:30	Registration		
9:30 - 10:10 Chair: William Rand	Keynote speech: Prof. John Duffy	University of California at Irvine	Learning to Coordinate: Experiments with Artificial and Real Agent
10:10 - 10:30	Break		
10:30-12:00 JEM-Sponsored Session on Big Data and Economic Methodology Chair: D. Wade Hands	Edgardo Bucciarelli and Shu-Heng Chen	University of Chieti-Pescara	The Cognitive Methodology in Economics: Approaching the Theory of Production in the Age of Big Data
	Paola D'Orazio	Ruhr University Bochum	Understanding the Link between Computational Behavioral Economics and Big Data. A Methodological Appraisal and Proposed Avenues of Future Research.
	Shu-Heng Chen	National Chengchi University	Agent-Based Model as a Foundation of Big Data
	Ivan Garibay	University of Central Florida	The Need for Product Space Complexity in Agent-based Computational Economics
12:00-13:30	Lunch		
13:30-15:00 Computational Social Science Chair: John Angle	Michael Gallagher	St Bonaventure University	Cloud Computing in Social Sciences and Humanities
	William Rand	North Carolina State University	Building Agent-Based Decision Support Systems for Word-of-Mouth Programs. A Freemium Application
	Jose Manuel Magallanes	University of Washington Pontificia Universidad Catolica del Peru	Computational Modeling of Migration and Conflict for Anticipatory Policymaking: The Case of the Climate Change in the Central Andes
	John Angle	The Inequality Process Institute	Evolution in a Particle System Reproduces the Dispersion in Median Labor Income by Level of Education in the U.S, 1961-2010: Future Shock
15:00 - 16:30 Experiments and Computational Modeling with Human Subjects Chair: Yimin Yang	Guo-ding Liao & Miao-Zhu You	OCLAIM Group/Chinese Academy of Social Sciences	Two-way Interaction Experimental Economic Research for Matching Job Positions
	Victor Istratov	CEMI RAS	The Model of Human Behavior (HBM): the Happiness Spin-off
	Isabella Loaiza-Saa	Northwestern University	Modeling How Economic Diversity Can Lead to Prosperity with an Agent-Based Approach
	Yimin Yang	Protiviti Inc.	Some Practical Techniques for Detecting Fraud and Money Laundering Activities
16:30 - 16:50	Break		
16:50 - 17:25 Chair: Andreas Pape	Keynote speech: Prof. Scott Huettel	Duke University	Why Bother with the Brain? The Promise and Challenge of Neuroeconomics
17:25 - 18:00 Chair: Andreas Pape	Keynote speech: Prof. John Davis	Marquette University	The Sea Battle Tomorrow: The Identity of Reflexive Economic Agents

DFC 2016	DAY 3	Sunday, November 13, 2016	Old Chatham Ballroom II
9:00 - 9:35 Chair: Guandong Xu	Keynote speech: Prof. Huan Liu	Arizona State University	The Good, the Bad and the Ugly: Uncovering Novel Opportunities of Data Science
9:35 - 10:10 Chair: Guangdong Xu	Keynote speech: Prof. Robert Axtell	George Mason University	Is Agent Computing the New Calculus for Social Interactions?
10:10 - 10:30	Break		
10:30 - 12:00 Computational Macroeconomics and Economic Geography Chair: Shyam Gouri Suresh	Yu-Ning Hwang Chiranjit Chakraborty Shigeaki Ogibayashi Shyam Gouri Suresh & Stephanie Schauder	National Chengchi University Bank of England Chiba Institute of Technology Davidson College	Welfare Implications of the Chinese Monetary Policy Reform: A Dynamic Stochastic General Equilibrium Approach Machine Learning at Central Banks Effect of Progressive Taxation on Wealth Inequality and the Economy in an Agent-based Artificial Economic System Optimal Firm Location, Income Segregation, and Food Deserts
12:00 - 13:30	Lunch		
13:30 - 15:00 Heterogeneity, Matching and Economic Complexity Chair: Dante Suarez	Connie Wang Andreas Pape Benoit Desmarchelier E. Dante Suarez	Walden university/AI-Econ Research Center Binghamton University Xi'an Jiaotong-Liverpool University Trinity University	Effects of Centralized Student Assignment Mechanisms on Educational Equality: An Agent-Based Model Case-Based Learning and Estimation Product Space and the Development of Nations: A Model of Product Diversification Modeling the Multi-leveled Realities of Economics
15:00 – 15:10	Break		
15:10 - 16:40 Social Medium, Herding and Financial Dynamics Chair: Kiyoshi Izumi	Kiyoshi Izumi & Hiroto Yonenoh Hungwen Lin Ernesto Lhuillier	Department of System Innovation, School of Engineering, The University of Tokyo Nanfang College of Sun Yat-Sen University George Mason University	Destabilization Effect of the Capital Adequacy Regulation on a Multiple Asset Market Media Coverage Connects Momentum with Transparency in China 'Winner-takes-all' in the Video Game Industry: A Model of Herd Behavior and Experience Goods Innovation in a Multi-sided Market.