

**Second Round Call for Papers:**

**WEHIA 2014**

**19th Annual Workshop on Economic Science with  
Heterogeneous Interacting Agents**

**June 17-19, 2014**

**Tianjin University, Tianjin, China**

**<http://ccsc.tju.edu.cn/wehia2014/home.htm>**

**Aims and Scope**

The 19th Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA 2014) offers an opportunity to present the latest research on various aspects of the economy as a complex system made up of multiple heterogeneous interacting agents. Research from different domains, at the crossing of various disciplines – economics, psychology, sociology, computer sciences, engineering, physics – are useful for developing more satisfactory approaches to (macro) econometrics and (macro) economic theory.

These approaches have already brought some improvement in the understanding of problems facing the world economy, such as the financial crisis, segregation, unemployment and poverty, and the need for sustainable development. The workshop aims to make progress in understanding and solving them.

**Topics**

The workshop topics will cover research in all areas relating to models of interacting agents, either theoretical or empirical. Topics comprise, but are not limited to:

- Agent-based Modeling
- Aggregation and Emergent Macroeconomics
- Econophysics
- Experimental Economics
- Interbank Markets and Systemic risk
- Heterogeneous Agent Models
- Socio-economic and Financial Networks
- DSGE Models with Heterogeneous Agents
- Bounded Rationality
- Spatial Agent Models and Urban Complex Adaptive Systems
- Sustainable Development, Climate Change, Energy and Innovation
- Economic Development, Technological Change and Growth

- Learning and Interacting in Economics
- Collective Decision and Social Intelligence
- Policy Design with Agent-based Models
- Evolutionary Game Theory
- Market Structure and its Emergence
- Calibration and Validation of Agent-based Models
- Hierarchies and Organizations
- Formal Theories on Agent-based Approaches

### **Submission**

Contributions should be in the form of extended abstracts (minimum 2 pages) or completed manuscripts and should be submitted through the EasyChair Conference System:

<https://www.easychair.org/conferences/?conf=wehia2014>

February 28, 2014 is the deadline for submission of completed manuscripts or extended abstracts.

The Scientific Committee will evaluate all submissions and decide on acceptance before March 31, 2014.

### **Important Dates**

- Deadline for extended abstracts/completed manuscripts: February 28, 2014
- Notification of acceptance: March 31, 2014
- Deadline for registration: April 30, 2014
- Deadline for final papers delivery: May 31, 2014
- PhD School: June 14-16, 2014
- Workshop: June 17-19, 2014

### **Venue**

WEHIA 2014 will be held at Tianjin University, Tianjin, China.

Address: No.92 Weijin Road, Nankai District, Tianjin, China 300072

### **WEHIA PhD School**

A PhD School will be held prior to the WEHIA 2014 workshop, from June 14th to June 16th. It will be organized as a three-day Summer School on WEHIA-related topics. The PhD School will be free of charge for registered participants of the WEHIA 2014 workshop. The number of seats available is limited and participants will be admitted on the basis of CVs and recommendation letters. Intended applicants should send their applications, each with CV and a recommendation letter, to [wehia@tju.edu.cn](mailto:wehia@tju.edu.cn).

### **Scientific Committee**

<http://ccsc.tju.edu.cn/wehia2014/organization.html>

**Faculty of PhD School**

Shu-Heng Chen, National Chengchi University

Silvano Cincotti, University of Genoa

Tony He, University of Technology, Sydney

Alan Kirman, Aix-Marseille University

Thomas Lux, University of Kiel

Akira Namatame, National Defense Academy

**Organization Committee**

Shu-Heng Chen, National Chengchi University (co-chair)

Xu Feng, Tianjin University

Honggang Li, Beijing Normal University

Marco Raberto, University of Genoa

Yu Wei, Southwest Jiaotong University

Fenghua Wen, Central South University

Xiong Xiong, Tianjin University (co-chair)

Yongjie Zhang, Tianjin University

**Keynote Speakers (\*to be confirmed)**

Bikas Chakrabarti, Saha Institute of Nuclear Physics

Carl Chiarella, University of Technology, Sydney

Fei-Yue Wang\*, Chinese Academy of Sciences

**Contact email**

[wehia@tju.edu.cn](mailto:wehia@tju.edu.cn)

**About ESHIA**

The Society for Economic Science with Heterogeneous Interacting Agents (ESHIA) aims to provide a unique medium of communication for multidisciplinary approaches, either empirical or theoretical, to the study of complex socio-economic problems. It intends to promote the cross-fertilization of ideas and exchange of concepts and techniques developed within diverse scientific disciplines including economics, social sciences physics, and computer science. The focus of ESHIA is especially on simulating and synthesizing emergent phenomena and collective behaviors to understand real economic and social systems. ESHIA is particularly keen to showcase applications of agent-based modeling such as market microstructure design, policy analysis, systemic risk, and financial engineering. Agents, heterogeneity and interactions are key concepts in multidisciplinary approaches and provide a major driving force to study, either empirical or theoretical, of the socio-economic systems research.