

# AESCS 2009 Call for Papers

## The Sixth International Workshop on Agent-Based Approaches in Economic and Social Complex Systems

November 13-14, 2009,

National Chengchi University, Taipei, Taiwan

Conference website: <http://www.aiecon.org/conference/aescs2009/index.htm>

### Keynote Speakers:

- Paul Glimcher, New York University, USA
- Jeffrey Johnson, The Open University, UK
- Sobei Oda, Kyoto Sangyo University, Japan

### (1) Aim:

AESCS 2009 brings together researchers and practitioners from diverse fields, such as computer science, economics, physics, and complex system theory for understanding social complex systems. AESCS 2009 mainly focuses on applications of agent-based technologies to social complex systems. Conference participants will present the latest results of various researches, and discuss emergent phenomena and modeling issues of social complex systems, which will provide further understanding on social complex problems with agent-based technologies.

### (2) Topics:

The topics include, but not limited to:

- 1) Formal Theories on Agent-based Approaches  
Agent-based computational foundations; Theories on rationality, intention, and emotion; Social behaviors, social action, and social interaction; Mathematical organization theory; Mathematical sociology
- 2) Computational Economics and Organization Theory  
Agent-based computational economics; Econophysics; Market-oriented computing; Artificial markets; Agents in financial engineering; Computational organization theory;
- 3) Modeling, Simulation and Validation Techniques  
Toolkits and methods for agent-based simulation; Large scale social simulation; Validation and verification of simulation results and simulation systems;
- 4) Gaming Simulation

- Gaming simulation; Participatory simulation; Hybridization of agent-based simulation and gaming simulation
- 5) Collective Intelligence  
Collective decision and behaviors; Emergent intelligence; Social intelligence
  - 6) Applications of Agent-based Modeling  
Organization and industrial design; Electronic commerce; Community design; Environment problems; Emergency management: prevention of disasters, epidemic diseases, and finance collapses; Medical and insurance systems; Public policies; Spatial modeling, pedestrian modeling; Marketing decision support
  - 7) Related Areas  
Evolutionary economics; Complex adaptive systems, chaotic and fractal dynamics; Evolutionary computation; Evolutionary games; Population dynamics; Anthropology
  - 8) Conceptual Models and Methodologies  
Conceptual modeling of agent-based approach; Philosophical issues of agent-based modeling

### **(3) Important Dates:**

**(Revised)**

**July 15, 2009:** Paper submission deadline. All submissions must be made online via the Conference Maker program available at:

[https://editorialexpress.com/cgi-bin/conference/conference.cgi?action=login&db\\_name=AESCS2009](https://editorialexpress.com/cgi-bin/conference/conference.cgi?action=login&db_name=AESCS2009)

**Aug. 30, 2009:** Paper acceptance notification

**Sep. 22, 2009:** Early registration deadline

**Sep. 30, 2009:** Camera-ready copies of accepted papers due

**Nov. 13 - 14, 2009:** Conference dates

### **(4) Paper format:**

The paper length should not exceed 12 pages in length with one column and single space. The manuscript includes all figures, tables, graphs, and bibliography. Post-proceedings of the workshop will be published from Springer as a series of ABSSS hardcover books.

### **(5) Conference Committee:**

#### **Workshop Chair**

Shu-Heng Chen, National Chengchi University, Taiwan

#### **Organization Chair**

Takao Terano, Tokyo Institute of Technology, Japan

#### **Program Chair**

Ryuichi Yamamoto, National Chengchi University, Taiwan

**Program Committee:**

Eizo Akiyama	University of Tsukuba, Japan
Yuji Aruka	Chuo University, Japan
Sung-Bae Cho	Yonsei University, Korea
Mauro Gallegati	Universita' Politecnica delle Marche, Italy
Nobuyuki Hanaki	GREQAM, Universite de la Mediterranee, and University of Tsukuba, France/Japan
Fumihiko Hashimoto	Osaka City University, Japan
Xuezhong (Tony) He	University of Technology, Sydney, Australia
Reiko Hishiyama	Waseda University, Japan
Masayuki Ishinishi	Ministry of Defense, Japan
Kiyoshi Izumi	National Institute of Advanced Industrial Science and Technology (AIST), Japan
Toshiya Kaihara	Kobe University, Japan
Taisei Kaizoji	International Christian University, Japan
Toshiyuki Kaneda	Nagoya Institute of Technology, Japan
Toshiji Kawagoe	Future University-Hakodate, Japan
Hajime Kita	Kyoto University, Japan
Thomas Lux	University of Kiel, Germany
Jun-ichi Maskawa	Seijo University, Japan
Takayuki Mizuno	Hitotsubashi University, Japan
Hideyuki Mizuta	IBM JAPAN, Japan
Yutaka Nakai	Shibaura Institute of Technology, Japan
Yoshihiro Nakajima	Osaka City University, Japan
Akira Namatame	National Defence Academy, Japan
Isamu Okada	Soka University, Japan
Isao Ono	Tokyo Institute of Technology, Japan
Tamotsu Onozaki	Aomori Public Colleege, Japan
Philippa Pattison	University of Melbourne, Australia
Stefan Reitz	German Federal Bank, Germany
Aki-Hiro Sato	Kyoto University, Japan
Hiroshi Sato	National Defense Academy, Japan
Yoshinori Shiozawa	Osaka City University, Japan
Keiji Suzuki	Future University-Hakodate, Japan
Keiki Takadama	The University of Electro-Communications, Japan
Shingo Takahashi	Waseda University, Japan
Noriyuki Tanida	Kansai University, Japan
Kazuhisa Taniguchi	Kinki University, Japan
Frank Westerhoff	University of Bamberg, Germany