

# 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 (To be confirmed)
- 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:**

**July 1, 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=AECS2009](https://editorialexpress.com/cgi-bin/conference/conference.cgi?action=login&db_name=AECS2009)

**Aug. 15, 2009:** Paper acceptance notification

**Sep. 15, 2009:** Early registration deadline

**Sep. 22, 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:**

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| Eizo Akiyama       | University of Tsukuba, Japan                                                      |
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| Mauro Gallegati    | Universita' Politecnica delle Marche, Italy                                       |
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| Xuezhong (Tony) He | University of Technology, Sydney, Australia                                       |
| Reiko Hishiyama    | Waseda University, Japan                                                          |
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| 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 Colleague, Japan                                                    |
| Philippa Pattison  | University of Melbourne, Australia                                                |
| Stefan Reitz       | German Federal Bank, Germany                                                      |
| Akihiro Sato       | Kyoto University                                                                  |
| Hiroshi Sato       | National Defense Academy, Japan                                                   |
| Yoshinori Shiozawa | Osaka City University, Japan                                                      |
| Keiji Suzuki       | Future University-Hakodate, Japan                                                 |
| Shingo Takahashi   | Waseda University, Japan                                                          |
| Noriyuki Tanida    | Kansai University, Japan                                                          |
| Kazuhisa Taniguchi | Kinki University, Japan                                                           |
| Frank Westerhoff   | University of Bamberg, Germany                                                    |