



### **SIGABIS Track at: WeB Pre-ICIS Workshop on Electronic Business 2006, December 8-9, Las Milwaukee, WI**

Sponsored by AIS Special Interest Group on E-Business, SIGEBIZ,  
<http://citebm.business.uiuc.edu/ebiz>

**Conference Topic: "Real-World Impact of e-Business Research"**

**Track Theme: "Agent-Based IS"**

Track Co-Chairs: C. S. Langdon, USC Center for Telecom Management, and R. Sikora, University of Texas at Arlington

#### **Call for Papers**

##### **Objective**

Thank you for our great success with last year's Agent-based IS track at WeB 03. It was an important step to fulfill the SIGABIS mission of providing a forum for like-minded researchers, teachers, and practitioners in order to advance the science and benefits of agent-based IS. Last year's success convinced us to continue with a similar track at WeB 04.

It has become apparent that agent-based methods are crucial in dealing with the staggering variety and volume of interaction in distributed and heterogeneous environments. Agents and agent-related technologies are also becoming important because they let software components interoperate within modern, e-business applications like e-commerce and information retrieval. This has become especially relevant since most large-scale information systems applications of today assume that components will be added dynamically and that they will be autonomous (serve different users or providers and fulfill different goals) and heterogeneous (be built in different ways).

##### **Topics**

We welcome any research that demonstrates how a (business) problem can be solved using an agent-based, computational method, such as multi-agent and complex adaptive system modeling. SIGABIS is committed to promoting innovative research conducted according to generally accepted standards of rigorous scientific analysis. Contributions can be theoretical or experimental. We recommend that authors follow a typical format to present their work (research problem and question, approach, model, experimental design and instrument validation/model validation, results, conclusion). Computational modeling and simulation experiments in general and agent-based methods in particular are very innovative approaches





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## Special Interest Group on Agent-Based Information Systems

to solving complex problems. It is therefore helpful to establish instrument reliability and validation.

Contributing papers may deal with any combination of the following issues and areas, but are not limited to it.

### Issues

- Coordination, cooperation, and competition
- Learning
- Search
- Evolution, emergent behavior, and adaptation

### Application Domains

- Supply chain and channel management
- Knowledge management
- Data mining
- E-commerce and e-business
- Mobile commerce
- Group decisions
- Business networks
- Communication languages



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