

SIGSIM FY'08 Annual Report
July 2007 - June 2008
Submitted by: Simon J.E. Taylor, SIGSIM Chair

1. Awards that were given out

Best student paper for contribution to simulation in the computing sciences at the Winter Simulation Conference 2007

Distinguished Contributions Award 2007 presented at the Winter Simulation Conference.

SIGSIM also sponsored the PhD Colloquium which was attended by around 50 future scientists.

2. Significant papers on new areas that were published in proceedings

From the 22nd ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation:

Secure Referee Selection for Fair and Responsive Peer-to-Peer Gaming

Steven Webb, Sieteng Soh, and Jerry Trahan.

Scalable versus Accurate Physical Layer Modeling in Wireless Network Simulations

Elyes Ben Hamida, Guillaume Chelius, and Jean Marie Gorce.

A Hybrid HLA Time Management Algorithm Based on Both Conditional and Unconditional Information

Ke Pan, Stephen John Turner, Wentong Cai, and Zengxiang Li.

Advancing the Layered Approach to Agent-based Crowd Simulation

Bikramjit Banerjee, Ahmed Abukmail, and Landon Kraemer.

Performance Analysis of Real Traffic Carried with Encrypted Cover Flows

Nabil Schear and David Nicol.

From the Proceedings of the 11th IEEE International Symposium on Distributed Simulation and Real-Time Applications

Real-Time Task Scheduling Using Extended Overloading Technique for Multiprocessor Systems

Wei Sun

Semantic Web Service Architecture for Simulation Model Reuse

David Bell, Navonil Mustafee, Sergio de Cesare, Mark Lycett, and Simon Taylor

An Extensible Collision Avoidance Model for Realistic Self-Driven Autonomous Agents

Wee Lit Koh and Suiping Zhou

Efficient Analysis of Simultaneous Events in Distributed Simulation

Patrick Peschlo and Peter Martini

An Adaptive Resource Allocation Scheme for DDM-based Large-scale Distributed

Azzedine Boukerche and Yunfeng Gu

3. Significant programs that provided a springboard for further technical efforts

None.

4. Innovative programs which provide service to some part of your technical community; and

Development of interoperability standards for modeling and simulation at the Simulation Interoperability Standards Organization (SISO) (www.sisostds.org) and efforts made by SIMSUMMIT.

5 A very brief summary for the key issues that the membership of that SIG will have to deal with in the next 2-3 years.

Again, the main issue that continues to be key is the interface between practitioners and academics. There are many interesting papers published each year in modeling and simulation conferences. These tend to be published by academics. Practitioners have valuable contributions to make but do not have the time to write these in a form acceptable by key conferences. As a community we need to address this gap to document this valuable information, and make it accessible through the Digital Library. It may well be that there needs to be other forms of recognised publishing, such as recorded presentations and the like.