

SIGSIM FY'11 Annual Report
July 2010- June 2011
Submitted by: Drew Hamilton, Chair

Awards

- a) An award of the **ACM SIGSIM Distinguished Contributions Award**, which recognizes individuals based on their overall contributions to the field of modeling and simulation, including technical innovations, publications, leadership, teaching, mentoring, and service to the community was not made this year. The recipient of the Award typically receives a plaque and an honorarium of \$1500. Dick Nance has agreed to reorganize the SIGSIM Awards Committee.
- b) Adrian Ramirez <adrian.ramirez@asu.edu> (Arizona State University) was awarded the **ACM SIGSIM Best Ph.D. Student Paper Award** at the 2010 Winter Simulation Conference. The recipient of the Award received a plaque and an honorarium of \$200.

Significant papers on new areas that were published in proceedings

SIGSIM sponsored the following two conferences and one workshop.

- Winter Simulation Conference (WSC)
- ACM International Conference on Modeling, Analysis, and Simulation of Wireless and Mobile Systems (MSWiM)
- Workshop on Principles of Advanced and Distributed Simulation (PADS)

WSC, MSWiM, and PADS publish high quality papers in their proceedings. It is infeasible to identify which papers were significant since they all contribute to the state of the art in many different dimensions. Additionally, we continue to expand in cooperation with many other simulation conferences, notably from the Society for Modeling and Simulation and in doing so we increase the size of the simulation holdings in the ACM Digital Library.

Significant programs that provided a springboard for further technical efforts

SIGSIM provided the following benefits to its members:

- a) SIGSIM-members-only access to ACM SIGSIM M&S Knowledge Repository
- b) Proceedings (CD) of the annual Winter Simulation Conference (WSC) mailed to each SIGSIM member
- c) Proceedings (hard copy) of the annual International Workshop on Principles of Advanced and Distributed Simulation (PADS) mailed to each SIGSIM member
- d) Reduced registration fees for many conferences including WSC and PADS
- e) SIGSIM members are granted full on-line access to the proceedings of the SIGSIM sponsored / supported conferences in the ACM Digital Library

SIGSIM provided the following benefits to its community:

- a) Distinguished Contributions Award
- b) Ph.D. Colloquium and Poster Session at the annual WSC
- c) Best Ph.D. Student Paper Award at the annual WSC
- d) Sponsorship of annual conferences: WSC, PADS, and MSWiM
- e) In-cooperation support of many conferences including: DEVS, DS-RT, EOMAS, MASCOTS, MSI, SIMUTools, SpringSim, SummerSim and SW
- f) LinkedIn Professional Group named "ACM SIGSIM", which provides professional networking among the Modeling and Simulation (M&S) professionals

- g) Announcements via a moderated email distribution list about events of interest, Calls for Papers, and Calls for Participation.

SIGSIM's benefits delivered to its members and community together with the two conferences and one workshop it has sponsored providing a springboard for further technical efforts. However these conferences and workshops are run outside of ACM, Our plan is to establish a unique SIGSIM conference to give our SIG more of its own identity as well as increasing participation by new members.

Innovative programs which provide service to our technical community

SIGSIM's Modeling and Simulation (M&S) Knowledge Repository (MSKR) at <http://www.acm-sigsim-mskr.org/> has been an innovative program which provided services to the SIGSIM technical community.

Summary of key issues that SIGSIM membership will have to deal with in the next 2-3 years

SIGSIM's mission continues to promote and disseminate the advancement of high quality state-of-the-art in Modeling and Simulation (M&S) across a broad range of interests and disciplines. The expansion of the M&S Knowledge Repository's content to provide better technical service to the SIGSIM membership is promising, but may be slow growing unless SIGSIM provides a venue for more growth. This expansion is very important for SIGSIM to accomplish its mission. How to motivate people to submit multimedia contributions for publication in the M&S Knowledge Repository remains to be a challenge. An ACM SIGSIM Conference could help motivate that effort.