

Association for Computing Machinery

SIGSIM Annual Report

July 1, 2008 – June 30, 2009

Prepared By

OSMAN BALCI, Chair



SIGSIM

ACM SIG on Simulation and Modeling

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1 Highlights

1.1 Establishment of M&S Knowledge Repository

A Modeling and Simulation (M&S) Knowledge Repository (MSKR) has been created under the domain name of <http://www.acm-sigsim-mskr.org/> as shown below.

ACM SIGSIM M&S Knowledge Repository
Association for Computing Machinery (ACM)
Special Interest Group (SIG) on Simulation and Modeling (SIM)

Home | SIGSIM | M&S Areas | M&S Resources | Other | Search

Happy 40th Birthday SIGSIM!

Ray J. Paul receives the 2008 ACM SIGSIM Distinguished Contributions Award

Dr. Richard E. Nance (ACM Fellow) presents the award to Dr. Ray J. Paul (right) at the 2008 Winter Simulation Conference in Miami, FL.
[Ray J. Paul's Acceptance Speech](#)

Editor-in-Chief
[Osman Balci](#)
Virginia Tech

Contributors
[Paul Fishwick](#)
[Ernest H. Page, Jr.](#)
[John Tufarolo](#)

[Call for Contributions](#)

Introductory content with hyperlinks has been added for 17 different areas of M&S. Some M&S resources are provided. The entire content is searchable and password protected for use only by SIGSIM members. The objective is to provide valuable content to SIGSIM members, by which to increase SIGSIM membership.

The site currently runs on a Virginia Tech server computer. It will be ported to an ACM server soon so that SIGSIM members can use their ACM logon information to access the MSKR site.

1.2 Bylaws Change

SIGSIM Bylaws Article 1.a is changed from

“...Special Interest Group on Simulation (SIGSIM)...” to

“...Special Interest Group on Simulation and Modeling (SIGSIM)...”; and

SIGSIM Bylaws Article 1.b is changed from

“... computer-based models.” to “... modeling and simulation.”

The modified SIGSIM Bylaws Article 1 is shown below and fully provided at

http://www.acm.org/sigs/bylaws-contents/sim_bylaws/



**BYLAWS
of the
Special Interest Group on
Simulation and Modeling(SIGSIM)
of the
Association for Computing Machinery**

**Adopted 1981
Amended July 22, 2009**

Article 1. Name and Scope

- a. This organization will be called the Special Interest Group on Simulation and Modeling (SIGSIM) of the Association for Computing Machinery, Inc. ("the ACM"); it will be referred to herein as "the Group".
- b. The scope of SIGSIM specialty is development and dissemination of theory, methodology and applications related to modeling and simulation.

1.3 Establishment of SIGSIM Advisory Board

An Advisory Board is established with the following Chair and members:

Richard E. Nance, Chair

ACM Fellow
Professor Emeritus of Computer Science
Virginia Tech
Blacksburg, Virginia, USA

Paul Fishwick

Professor
Department of Computer & Information Science and Engineering
University of Florida
Gainesville, Florida, USA

Richard M. Fujimoto

Professor
Computational Science and Engineering Division
Georgia Institute of Technology
Atlanta, Georgia, USA

David M. Nicol

Professor, ACM Fellow
Department of Electrical and Computer Engineering
University of Illinois at Urbana-Champaign
Urbana, Illinois, USA

Ernest H. Page, Jr.

Senior Principal Scientist
The MITRE Corporation
McLean, Virginia, USA

Simon J.E. Taylor

Reader / Senior Lecturer
Department of Information Systems and Computing
Brunel University
West London, England

Alexander Verbraeck

Professor
Department of Systems Engineering
Delft University of Technology
Delft, The Netherlands

1.4 New SIGSIM Membership Dues Adopted

Membership dues are changed as follows:

	ACM Member		ACM Non-Member (Affiliate)		Subscriber
	Professional	Student	Professional	Student	
USA (Regular Mail)	\$19	\$9	\$29	\$19	\$29
Other Countries (Airmail Service)	\$26	\$16	\$36	\$26	\$36

2 Mission

ACM SIGSIM mission is 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.

3 Member Benefits

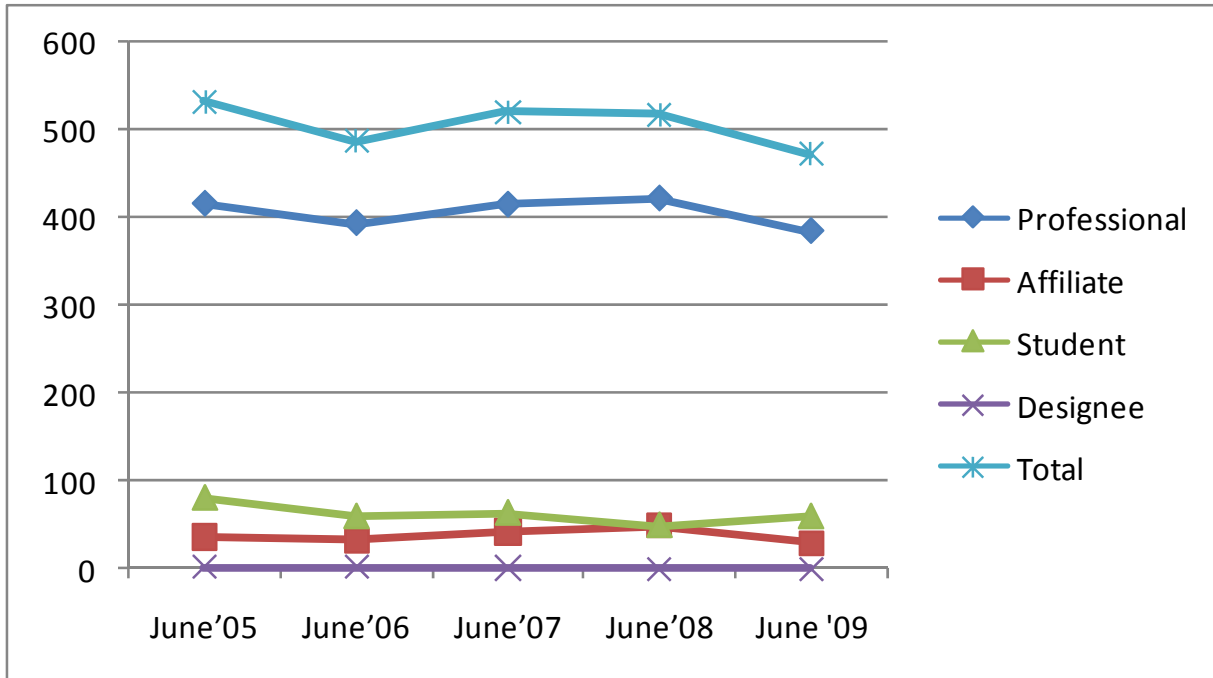
- SIGSIM-members-only access to ACM SIGSIM M&S Knowledge Repository
- Proceedings (CD) of each [Winter Simulation Conference \(WSC\)](#) mailed to each SIGSIM member
- Proceedings (hard copy) of each [International Workshop on Principles of Advanced and Distributed Simulation \(PADS\)](#) mailed to each SIGSIM member
- Discounted conference attendance fees for many conferences including WSC and PADS.
- SIGSIM members are granted full on-line access to the proceedings of the [SIGSIM sponsored / supported conferences](#) in the [ACM Digital Library](#).

4 Journal - TOMACS

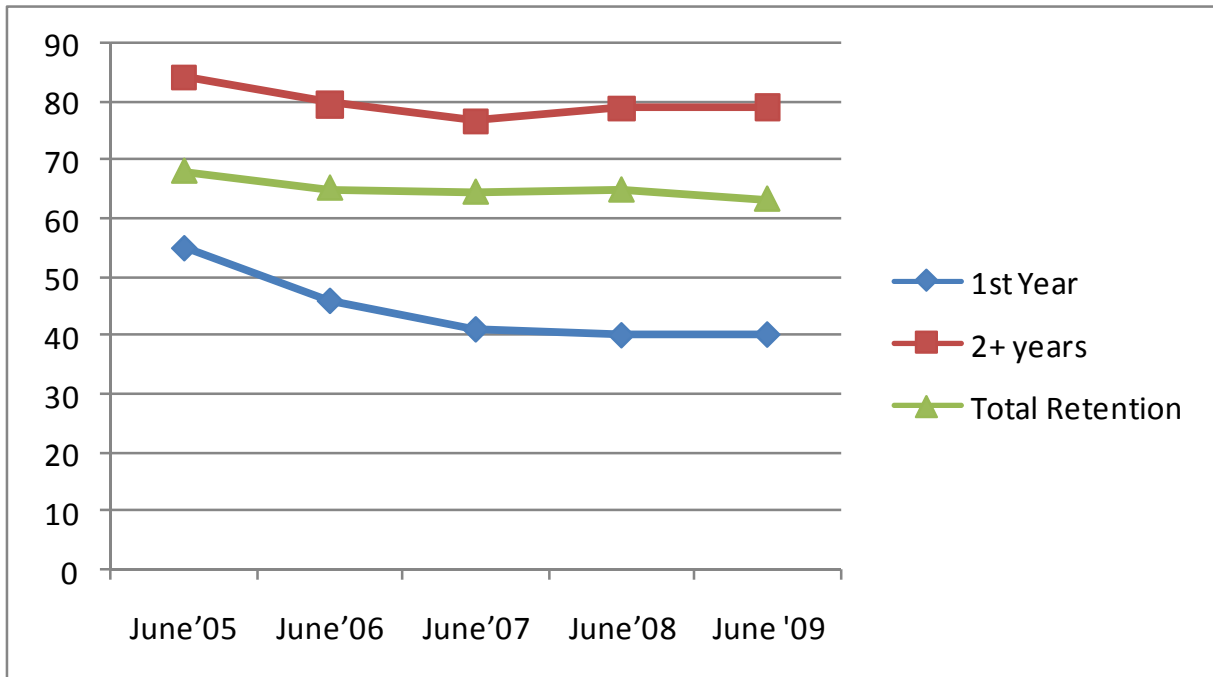
SIGSIM's journal is the [ACM Transactions on Modeling and Computer Simulation \(TOMACS\)](#).

5 Membership

Membership from 2005 to 2009:



Membership Retention from 2005 to 2009:



6 Management

Current Officers Elected for the Term 2008-2011:

Chairman: Osman Balci
Vice Chairman: Drew Hamilton
Secretary/Treasurer: Margaret Loper

Webmaster & Listserv Moderator:

- Simon J.E. Taylor

M&S Knowledge Repository Editor-in-Chief

- Osman Balci

Advisory Board

- Richard E. Nance, Chair
- Paul Fishwick
- Richard M. Fujimoto
- David M. Nicol
- Ernest H. Page, Jr.
- Simon J.E. Taylor
- Alexander Verbraeck

SIGSIM Distinguished Contributions Award Committee:

- Richard E. Nance, Chair
- David M. Nicol
- George F. Riley
- Stewart Robinson

7 Awards

1. SIGSIM Distinguished Contributions Award

The SIGSIM Distinguished Contributions Award 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. It is given annually at each Winter Simulation Conference.

The 2008 award was given to Prof. Ray J. Paul at Brunel University, UK.

2. ACM SIGSIM Best Ph.D. Student Paper Award

The SIGSIM Best Ph.D. Student Paper Award is given as part of the Ph.D. Colloquium and Poster Session at each Winter Simulation Conference.

The 2008 award was given to Volkan Üstün at Auburn University.

8 Conferences

8.1 SIGSIM Sponsored Conferences

Acronym	Conference / Workshop	Proceedings Published in ACM Digital Library
WSC	Winter Simulation Conference	1971-2008
PADS	Workshop on Principles of Advanced and Distributed Simulation (a.k.a. Workshop on Parallel and Distributed Simulation)	1993-2008
MSWiM	ACM International Conference on Modeling, Analysis, and Simulation of Wireless and Mobile Systems	1999-2008

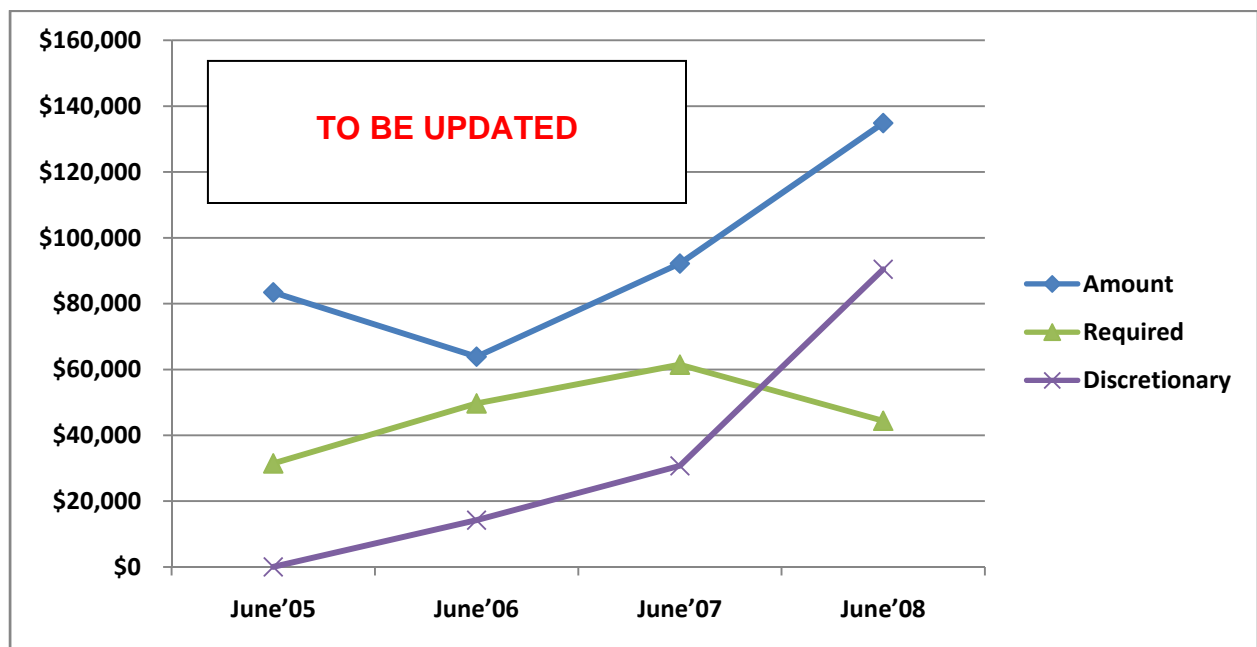
8.2 Conferences with SIGSIM In-Cooperation Agreements

Acronym	Conference / Workshop	Proceedings Published in ACM Digital Library
MASCOTS 2009	17th IEEE/ACM International Symposium on Modelling, Analysis and Simulation of Computer and Telecommunication Systems (Sept 21-23, 2009, London, England)	to appear
SW10	Operational Research Society 5th Simulation Workshop (March 23-24, 2010, Worcestershire, England)	to appear
SIMUTools	International Conference on Simulation Tools and Techniques: 2009 , 2010	to appear
SpringSim	Spring Simulation Multiconference 2009 (March 22-27, 2009, San Diego, CA): <ul style="list-style-type: none"> • Agent-Directed Simulation (ADS) • 42nd Annual Simulation Symposium (ANSS) • Business and Industry Symposium (BIS) • 12th Communications and Networking Simulation Symposium (CNS) • DEVS Integrative M&S Symposium (DEVS) • High Performance Computing Symposium (HPC) • Military Modeling and Simulation Symposium (MMS) • Modeling & Simulation in Education (MSE) • Modeling & Simulation in Engineering (MSEng) 	to appear
EOMAS	5th International Workshop on Enterprise & Organizational Modeling and Simulation (June 8-9, 2009, Amsterdam, The Netherlands)	to appear
MSI 2009	The IASTED International Conference on Modelling, Simulation and Identification (Oct. 12-14, 2009, Beijing, China)	to appear
DS-RT 2009	13th IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications (Oct. 25-28, 2009 Singapore)	to appear
ANSS	Annual Simulation Symposium	1978-1992, 2003-2007
IPS-MoMe	4th International Workshop on Internet Performance, Simulation, Monitoring and Measurement	2006

SCSC	2007 Summer Computer Simulation Conference	2007
BIONETICS	1st International Conference on Bio inspired Models of Network, Information and Computing Systems	2006
	Symposium on the Simulation of Computer Networks	1973-1976, 1987
SIGMETRICS	Joint International Conference on Measurement and Modeling of Computer Systems	1973-2008

9 Financials

Fund Balance as of June 30, 2009:



10 SIGSIM's 40th Birthday

SIGSIM was first created as a Special Interest Committee on Simulation in 1967. It was founded as a Special Interest Group (SIG) in April 1969.

We will be celebrating SIGSIM's 40th birthday throughout 2009.