Simulation Network

Peter W. Glynn
Donald L. Iglehart

Department of Operations Research
Stanford University
Stanford, CA 94305-4022

U.S. Army Research Office
P.O. Box 12211
Research Triangle Park, NC 27709-2211

The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.

Approved for public release; distribution unlimited.

This report briefly describes the activities of a simulation network that was funded by the Army Research office during the period 1991-1995.
The view, opinions, and/or findings contained in this report are those of the authors and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.
1. ARO Proposal Number:
   29412-MA-SDI

2. Period Covered by Report:
   1 September 1991 - 28 February 1995

3. Title of Proposal:
   Simulation Network

4. Contract or Grant Number:
   DAAL-03-91-G-0319

5. Name of Institution:
   Stanford University

6. Author of Report:
   Peter W. Glynn

7. List of Manuscripts Submitted or Published Under ARO Sponsorship During this
   Reporting Period, Including Journal References:
   See attached page.

8. Scientific Personnel Supported by this Project and Degrees Awarded During this
   Reporting Period:
   Personnel Supported:
   Peter W. Glynn, Associate Professor and Co-Principal Investigator

   Students:
   Shane Henderson 01/01/94 - 12/31/94
   Sandeep Kumar Juneja 01/01 - 03/31/92, 01/01/93 - 08/31/93
   Tava Maryanne Lennon 07/01/92 - 08/31/92
   Erika Schrane 06/01/92 - 08/31/92
   Marcelo Torres 10/01/92 - 06/30/93
   Eugene Wong 05/01 - 08/31/92, 10/01 - 12/31/93, 03/28 - 06/8/94
   9/26 - 12/31/94 and 01/01/95 - 2/28/95
   Tzu-Hui Yang 04/01 - 06/30/92, 06/16 - 08/31/93, 09/16 - 03/31/94,
   and 01/01/94 - 12/31/94

   Degrees Awarded:
   Diane Erdmann, Ph.D. (Operations Research)
   Craig Kollman, Ph.D. (Statistics)
   Tava Maryanne Lennon, Ph.D. (Operations Research)
   Tzu-Hui Yang, Ph.D. (Operations Research)

9. None

Peter W. Glynn
Operations Research
Stanford University
Stanford, CA 94305-4022


MAJOR ACCOMPLISHMENTS

SNET is a simulation network, centered at the Department of Operations Research at Stanford University, that is intended to act as a forum for the discrete-event stochastic simulation community. The network moderator sends out regular newsletters on matters of common interest to all network subscribers. Over the course of this contract, the network moderators were Tzu-Hui Yang and Shane Henderson. Other students acted to maintain the system and/or add new utilities to SNET.

The network currently serves over 300 subscribers. These subscribers used the mailing facility over 350 times and the paper library over 120 times. In addition, the network:

(1) provides a capability for SNET to act as an electronic "go-between" that allows subscribers to send email messages to other subscribers without explicit knowledge of the intended recipient's email address;

(2) collects electronic versions of papers and/or abstracts both from individuals and the following journals:
    Advances in Applied Probability
    Journal of Applied Probability
    Management Science
    Probability in the Engineering and Informational Sciences
    The Annals of Applied Probability
    The Annals of Probability
    The Annals of Statistics
    ACM Transactions on Modeling and Computer Simulations
    Queueing Systems

(3) some software is also available through a network library.

We are currently exploring various ways in which network resources can potentially be made available through the World-wide Web. This would open access to a much broader user base than is currently possible.

Recently, Shane Henderson opened an SNET page on the world-wide web; the address is:

http://www-or.stanford.edu/~snet/

This opens access to a much broader user base than was previously possible.