



INSTITUTE FOR OPERATIONS RESEARCH
AND THE MANAGEMENT SCIENCES

NEWSLETTER

Officers

President

Susan M. Sanchez
Operations Research Department
273 Glasgow Hall
Naval Postgraduate School
Monterey, CA 93943 USA
(831) 656-2780 fax (831) 656-2595
ssanchez@nps.navy.mil
<http://diana.or.nps.navy.mil/~susan>

Vice President/President Elect

Russell R. Barton
The Mary Jean and Frank P. Smeal
College of Business Administration
The Pennsylvania State University
801 Business Administration Building
University Park, PA 16802
(814) 865-7669 fax (814) 865-7064
rbarton@psu.edu
<http://cold.smeal.psu.edu/facultybio/facultybio.cfm?id=rrb2>

Secretary/Treasurer

Stephen E. Chick
Technology Management Area
INSEAD
Boulevard de Constance
77305 Fontainebleau CEDEX
France
(33) 1.60.72.41.57
stephen.chick@insead.edu
<http://www.insead.edu/facultyresearch/tm/chick/index.htm>

Newsletter Editor

Shane G. Henderson
School of Operations Research and
Industrial Engineering
230 Rhodes Hall
Cornell University
Ithaca, NY 14853
(607) 255-9126 fax (607) 255-9129
shane@orie.cornell.edu
<http://www.orie.cornell.edu/~shane>

Associate Editor

Michael E. Kuhl
Industrial & Systems Engineering Dept
2410 Louise M. Slaughter Building
Rochester Institute of Technology
Rochester, NY 14623-5603
(585) 475-2134 fax (585) 475-2520
mekeie@rit.edu
<http://www.rit.edu/~mekeie/>

President's Message

Summer is upon us, but I'd like to look ahead to the Winter Simulation Conference in December. As you know, the WSC has been the crown jewel of the INFORMS College on Simulation. Many conferences have observed a drop in attendance in recent years, and the Winter Simulation Conference was one of those affected. The cash flow reserves were substantially depleted last year, and as a result other means of supplying the conference seed money were needed. The College on Simulation and the other sponsoring organizations all contribute seed money on an annual basis, but without the reserves this would not be sufficient to get the conference rolling ahead smoothly. A special note of thanks goes to Jim Wilson, who has organized a donation fund through INFORMS, and to all of those who have contributed to support this fine venue for exchanging ideas. (If you are interested in making a tax-deductible donation, please contact Jim at jwilson@eos.ncsu.edu for details.) In Jim's words, "It is a remarkable testament to the character of the WSC community that such support would be forthcoming so quickly and from virtually every segment of this diverse group of individuals. Thanks to all of you for your vote of confidence in the future of WSC."

If you have attended a WSC, you know what a rich and rewarding experience it can be. Even if you haven't submitted a paper to WSC 2003, please consider joining us in New Orleans in December. See the announcement on page 10 for more details, and/or check the web page at www.wintersim.org. General information is available now, and the preliminary program will be posted shortly.

We are still moving along the path toward becoming an INFORMS Society, rather than an INFORMS subdivision. This change is more than name only: it will allow us additional representation on the INFORMS Board of Directors. However, we must clear the hurdle of at least 500 current members. We are close but not quite there. So, please encourage any of your colleagues who might have interests to join the College.

Why should they join? Because we do good things as a professional collegial community that we could not do as individuals. The membership fees go to support a number of worthwhile activities, such as plaques for those winning the various merit awards, the Ph.D. Colloquium, and the Committee on Underrepresented Minorities & Women sponsorship awards. There is a special program this year: a donor has earmarked funds to bring in new student members to the INFORMS College on Simulation. This award covers dues for the College through December 2004. To be eligible for this sponsorship award, the applicant must be a full-time student who will not graduate before December 2003, has interests in simulation, and has not previously been a member of the College. Both undergraduate and graduate students are eligible. See the call for nominations at www.informs-cs.org or contact Susan Sanchez at ssanchez@nps.navy.mil for details.

Our members' volunteer efforts have helped keep the simulation community active and vibrant.

May your summer be refreshing, invigorating, and not too hot.

Susan Sanchez

Editor's Corner

Welcome to the Spring (YES, it's FINALLY here!) issue of the INFORMS College on Simulation newsletter. This newsletter is a bit of a bumper crop compared to its weenie Fall cousin. Seventeen pages no less!

This newsletter celebrates the accomplishments of Bob Sargent, David Goldsman and Soren Asmussen, Klemens Binswanger, and Bjarne Hojgaard, winners of the college's lifetime professional achievement award, distinguished service award, and outstanding publication award respectively. Look for more on these awards later in the newsletter. And if you'd like to nominate someone for these prestigious awards this year, then you'll find details on how to go about it in this issue.

The honorary Russell Barton, our beloved VP, is on the prowl for papers, sessions or both, for upcoming conferences.

Sheldon Jacobson is (hopefully still) on the lookout for a post-doc. If you've already found someone Sheldon, then sorry about the excess publicity!

We're having a temporary hiatus from status reports from the ACM Transactions on Modeling and Computer Simulation and INFORMS Journal on Computing. We hope to resume regular broadcasts in the Fall. But at least the puzzle is back in this issue!

I hope you find something of interest in this newsletter. And if you don't, then please take matters into your own hands and send me something for the next newsletter.

Cheers!

Shane Henderson

Contents

President's Message.....	1
College Officers.....	1
Editor's Corner.....	2
Treasurer's Report.....	3
EURO/INFORMS Joint Meeting.....	3
Secretary's Corner.....	4
Minutes from San Jose	
Business Meeting.....	4-5
Minutes from WSC	
Business Meeting.....	6-7
Stochastic Models and Simulation	
Dept. for <i>Management Science</i>	8
Sponsorship of Under-represented	
Minorities and Women.....	8
The Puzzle Posed.....	8
Simulation Dept. for <i>Operations</i>	
<i>Research</i>	9
INFORMS Annual Meeting.....	9
CORS/INFORMS Joint Meeting.....	9
WSC '03.....	10
FIU Sends Students to WSC '02.....	10
Sargent Receives Lifetime	
Professional Achievement	
Award.....	11
Goldsman Receives Distinguished	
Service Award.....	12
Asmussen, Binswanger and	
Hojgaard Receive Outstanding	
Publication Award.....	13
WSC '02 Proceedings Online.....	13
Postdoc Opportunity.....	14
Call for Nominations:	
Outstanding Publication.....	14
Call for Nominations:	
Distinguished Service.....	15
The Puzzle Answered.....	15
Call for Nominations: Lifetime	
Professional Achievement.....	16
E-mail Directory.....	16
INFORMS Employment Service.....	16
Event Calendar.....	17

Please pass along printouts of the newsletter to friends and colleagues, or let them know about the *INFORMS College on Simulation* World Wide Web page. You'll get more than just a newsletter. Its URL is

<http://www.informs-cs.org/>
or <http://simulation.section.informs.org>

This web page is designed to be a general source of information and WWW links for the simulation community, with a particular focus on College interests and activities. There are often additional special items, such as *WSC'03*, and upcoming *INFORMS* conferences. The WWW address for *WSC'03* is <http://www.wintersim.org/>.



INFORMS College on Simulation Newsletter is published in the Spring and Fall of each year by the *INFORMS College on Simulation*. Membership in the *College on Simulation* is independent of membership in *The Institute for Operations Research and the Management Sciences*. The annual membership fee for all non-*INFORMS* members is \$20.00; *INFORMS* members may join for \$10.00. The fee for students and retired members who are members of *INFORMS* is \$5.00.

To join, send name, address, and e-mail address (if applicable), with the appropriate fee, to Steve Chick (his contact information is on the cover). Please make checks payable to *INFORMS College on Simulation*. Please pass along this announcement to others who might be interested in joining.

POSTMASTER: Send address changes to *INFORMS College on Simulation Newsletter*, 901 Elkridge Landing Road, Suite 400, Linthicum, MD 21090.

INFORMS College on Simulation Newsletter © 2003 The Institute for Operations Research and the Management Sciences. All rights reserved.

INFORMS College on Simulation Treasurer's Report

Net Worth
March 24, 2003

ASSETS	
Cash and Bank Accounts	
INFORMS Account*	7,233.05
INFORMS-CS Checking	2,027.51
WSC Seed Money	2,000.00
TOTAL ASSETS	11,260.56

LIABILITIES	
Uncashed Checks	75.00

NET WORTH 11,185.56

Headquarters Account funds are held by the *INFORMS* office: 901 Elkridge Landing Road; Suite 400; Linthicum MD 21090-2909. Checking account funds on deposit with Bank of America, 10 Light Street, Baltimore MD 21202 (checking account number 0039 36322008).

2003 Year-to-Date Cash Flow report*
March 24, 2003

INFLOWS	
Dues Income Estimate *	4,140.00
Anonymous Donor (2)	800.00
Interest Income*	70.36
TOTAL INFLOWS	5,010.36

OUTFLOWS (*includes* December '02 outflows)

'02 Best Publication	500.00
'02 Lifetime Professional Achievement Award	1,085.60
'02 Distinguished Service Award	500.00
'02 CUMW Awards	450.00
'02 Ph.D. Colloquium	750.00
Web Page Maintenance	1,200.00
WWW domain name fees	75.00
WSC'02 Reception	929.75
WSC Proceedings Copies, College Archives	131.80

TOTAL OUTFLOWS 5,622.15

NET CASH FLOW (estimate) -611.79

* WSC Seed Money is currently held by WSC. Cash flow includes major items in December 2002 and transfer of \$4500 from INFORMS account to the Checking Account at the end of Nov 2002. Financial numbers for the INFORMS Account are based on the most recent numbers available from the INFORMS office for Dec. 31, 2002. Dues income for 2003 is not yet available, and is estimated based upon 2002 dues revenues. Interest income reported in 2003 represents interest on the account held at *INFORMS* headquarters during calendar year 2002. Also see the attached notes in the "Secretary's Corner".

*Respectfully submitted by Stephen E. Chick,
Secretary/Treasurer, March 20, 2003.*



EURO / INFORMS Joint International Meeting

July 6-10, 2003
Istanbul, Turkey

The theme for the conference is "New Opportunities for Operations Research." The simulation track for this conference has seven sessions, including Simulation and Logistics, Applications of Simulation, Metamodels in Simulation, Optimization and Simulation, Variance Reduction Methods, Modeling and Analysis Methodology, and a

panel on Simulation Past, Present and Future. Please visit the web site at www.istanbul2003.org or contact Jack Kleijnen (kleijnen@uvt.nl) or Russell Barton (rbarton@psu.edu) for further information.

Secretary's Corner

The College is proud to have supported a number of activities throughout the year, and is pleased to recognize with a formal award the contributions of Bob Sargent (Lifetime Professional Achievement Award), Dave Goldsman (Distinguished Service Award), Søren Asmussen, Klemens Binswanger, and Bjarne Hojgaard (Outstanding Publication Award), as well as the participants in the PhD Colloquium and CUMW support awards for WSC '02.

The College has been fortunate enough to have received two anonymous donations since the time of the last treasurer's report. Financially, this amounts to \$800. More personally, this is yet another demonstration of the dedication that many members of the College have to the well being of the simulation community, and we thank those donors.

The current financial situation this year relative to the report one year ago in the Spring 2002 Newsletter reflects two significant changes. First, the anticipated

lack of WSC '01 surplus return during 2002 was realized, which resulted in a net decrease from anticipated levels of about \$3,000. Second, a WSC '01 Seed Return of \$2,000 was reported as an inflow in the Spring 2002 report, but now WSC Seed Money is listed as a \$2,000 asset. The seed money is one dimension of the College's support of WSC each year. WSC now holds onto the seed money, rather than returning the \$2,000 to the college only to have the college write another \$2,000 check a month later for the support of the next WSC.

This year's budget numbers are approximate as data for the INFORMS account have not yet been finalized by the INFORMS main office. My guess is that the dues income estimate may be somewhat on the low side, given that we are today 498 members strong, whereas in September 2002 we were at 430. Thank you for your support.

Stephen E. Chick, Secretary/Treasurer

Minutes of Business Meeting INFORMS Annual Meeting, San Jose California

November 17, 2002

Shane Henderson for Stephen Chick, Secretary.

Susan Sanchez, president, presiding.

Susan Sanchez called the meeting to order at 6.27pm and called for introductions. The 18 attendees along with affiliations are listed below.

President's report: Susan Sanchez reported that INFORMS is encouraging the college to become a society. The college plans to file an application before the 2002 Winter Simulation Conference. Such an application requires a membership of at least 500. Some concern was expressed that the college maintain a presence at INFORMS annual meetings. Susan Sanchez also asked for volunteers to help with various unspecified tasks for the college.

Secretary's report: Russell Barton gave this report for Stephen Chick, secretary/treasurer, who was not present. The minutes of the 2001 Winter Simulation Conference business meeting were approved by a show of hands.

Vice President's report: Russell Barton announced that the next annual meeting of INFORMS will be held in Atlanta GA. He encouraged the submission of session proposals joint with other INFORMS subdivisions. He also announced the next international meeting of INFORMS in Turkey on July 6 – 10, 2003 and requested proposals for sponsored sessions.

Treasurer's report: Russell Barton gave this report for Stephen Chick, secretary/treasurer, who was not present. The treasurer's report is in the Fall 2002 newsletter. Expenditures have exceeded income by approximately \$3000. This is partly due to the fact that WSC 01 returned the seed money, but nothing more. By way of contrast, WSC 00 returned approximately \$4000 over and above the seed money.

Newsletter Editor's report: Shane Henderson, newsletter editor, reported that the Fall 2002 newsletter announcement was emailed to the membership in the week before the INFORMS annual meeting.

WSC Proceedings: Jim Wilson reported on investigations into the future of the proceedings of the Winter Simulation Conference. Two primary issues are whether the hard copy should be discontinued or not, and whether the format should be switched from two-column format to one-column format.

The hard copy is currently self-financing, so that regular conference registration fees do not subsidize hard copy production costs. While many librarians strongly prefer web access that is well-maintained, accessible and permanent (the INFORMS College on Simulation site would probably not be considered permanent by most librarians), others still prefer hard copy because their institutions cannot afford the fees associated with online resources such as the ACM digital library or IEEE Xplore. The INFORMS College on Simulation membership expressed preferences (through email solicited by Jim Wilson) for a properly edited proceedings with page numbers (for referencing purposes) and running heads, and permanent, free web access. There is interest in a forward and backward cross-reference system.

Omnipress, who currently publish the WSC proceedings, said that moving to a one-column format is no problem for the electronic version of the proceedings, but would increase the hard copy size of the proceedings by approximately 20%.

It is likely that the current system (two-column format proceedings, CD copy for all registrants, hard copy by request for extra fee) will continue for the near future.

There was some brief discussion about these two issues.

WSC '02: Jim Wilson gave an update on WSC '02. As of November 8, 2002, the paid registration was 239, about 130 authors had not registered, and Talley management estimated that they had a backlog of about 100 unprocessed registrations. Based on WSC '96 and '99 figures, about 200 onsite registrations are expected. Targeted emails are being sent to IIE and SCS members in Southern California and Arizona. Total paid registration is expected to be between 650 and 700.

The hotel pickup on November 11 totaled 634 room-nights, whereas the contracted block requires 1633 room-nights. Some copyright-transfer problems were encountered in early November and resolved. A review

of the WSC policy on copyright transfer is recommended.

Awards: There will be distinguished service, lifetime professional achievement, and outstanding publication awards this year. Some travel awards will be made to women and minorities to enable attendance at WSC 02 this year.

Journal Editor reports: These are available in the Fall 2002 newsletter.

New Business: Susan Sanchez noted that there is some ambiguity in the college dues rates. She proposed that the dues of \$10 for a member, and \$5 for students and retirees apply to INFORMS members only, and the non INFORMS-member rate of \$20 apply to *all* nonmembers, regardless of whether they are students or otherwise. No objections were raised.

Susan Sanchez asked that the membership consider the possibility of becoming more active in the Spring/Summer through a conference.

Susan Sanchez asked the membership to consider creative methods for reducing the deficit. There was some discussion about creating a sponsorship category for organizations, and offering a one-time cost of lifetime membership in the society. To reduce expenditure, the society might consider only offering a subset of the college awards in any one year, and/or moving the web page development and maintenance to a volunteer role.

Jim Wilson has more copies of the IIE Transactions special issue in honor of Alan Pritsker. IIE Transactions has requested that we sell the excess copies back to them. No objections were raised.

The meeting was adjourned at 7.30pm.

Attendees

Jerry Banks, Independent Consultant; Russell Barton, Pennsylvania State University; Dean Chatfield III, Independent Consultant; John W. Fowler, Arizona State University; Michael Fu, University of Maryland; Gul Gurkan, Tilburg University; Peter Haas, IBM; Shane Henderson, Cornell University; Stacy Hill, Johns Hopkins University; Sheldon Jacobson, University of Illinois; Douglas Morrice, University of Texas, Austin; Barry L. Nelson, Northwestern University; Matt Rosenshine, Pennsylvania State University; R. G. Sargent, Syracuse University; Leyuan Shi, University of Wisconsin-Madison; Bruce C. Shultes, University of Cincinnati; Jeff Smith, Auburn University; Jim Wilson, North Carolina State University; Xudong Yang, University of Cincinnati

Minutes of Business Meeting Winter Simulation Conference, San Diego California

Tuesday, December 10, 2002

Stephen Chick, Secretary.

Susan Sanchez, president, presiding.

Susan Sanchez called the meeting to order by asking all new members to stand to a round of applause and brief introductions. The attendees along with affiliations are listed below.

President's report: Susan Sanchez reported that INFORMS is still encouraging the college to become a society. Members were encouraged to renew applications early in the year and to inform a friend about the college. The application requires a membership of at least 500, and the current registered list is just under 500. She noted the clarification raised during the previous College meeting, that the non INFORMS-member membership rate of \$20 apply to *all* nonmembers, regardless of whether they are students or otherwise. No objections were raised. Susan Sanchez asked that the membership consider the possibility of becoming more active in the Spring/Summer through a conference.

Vice President's report: Russell Barton, vice president, announced that the College on Simulation would be sponsoring sessions at the upcoming Euro-INFORMS Conference in Istanbul Turkey in July 2003. He reiterated his request to sponsor sessions at either Euro-INFORMS or at the upcoming annual meeting of INFORMS in Atlanta GA. Russell introduced Jack Kleijnen, who is also organizing sessions at the Istanbul Conference for European members of the College. He announced that a number of sessions had already tentatively been organized including panel sessions, modeling and analysis methodology, optimization, distributed simulation, agent-based simulation, logistics, and more.

Secretary's report: Stephen Chick, secretary/treasurer, presented the budget figures of late, and indicated that the lower balance at the end of this year relative to last year corresponds roughly to the lower amount of money returned after the WSC 2001 conference, which was less than in years past. He announced that the membership list for November 2002 counted 465 members. The officers have started to look more closely at the budget shortfall with respect to future activities.

Newsletter Editor's report: Shane Henderson, newsletter editor, again reported that the Fall 2002 newsletter announcement was emailed to the membership in the week

before the INFORMS annual meeting. He solicited contributions for inclusion in future newsletters, and thanked Mike Kuhl for his role as assistant newsletter editor.

Journal Editor's reports: Susan Sanchez referred attendees to the reports from the Editors of the Simulation related areas in Management Science, Operations Research, and INFORMS Journal on Computing in the most recent issue of the INFORMS College on Simulation Newsletter. She thanked the editorial staffs for their service.

WSC '03: Dave Ferrin invited everybody to return for an enjoyable WSC to be held December 7-10, 2003 in New Orleans, Louisiana. Those who received beads during the Keynote Address of WSC '02 were reminded to wear them to the WSC '03 conference.

New Business: Susan Sanchez asked the membership to consider creative methods for reducing the deficit.

David Goldsman reported that Walpole Software had graciously lowered their fees for the maintenance of the College's WWW site, and expressed his gratitude.

Barry Nelson announced the importance of volunteerism in making WSC work. He asked those in the audience that have volunteered for a past or present WSC in some capacity to stand, with many standing. He then encouraged those who haven't yet had the opportunity to volunteer to consider doing so in the future.

Jim Wilson announced that WSC 2002 would not necessarily make a profit, but that the worst case scenario would not play out.

Jim Wilson also announced that copies of the special issue of the IIE Transactions in honor of Alan Pritsker were still available. Please contact him if you would like to obtain a copy.

The college had the pleasure to recognize a number of individuals that have made contributions to WSC and the simulation community.

CUMW and PhD Colloquium: Susan Sanchez acknowledged and introduced the women and minorities whose attendance at WSC '02 were supported by the College. Paul Hyden, coordinator of

the PhD colloquium and poster session, also thanked the participants in those sessions. He introduced the participants in the PhD colloquium, who received an award from the college.

Outstanding Publication Award: Pierre L'Écuyer read off testimonials for the Outstanding Publication Award, which was awarded to Søren Asmussen, Klemens Binswanger, and Bjarne Højgaard for their work on rare events simulation for heavy-tailed distributions. Please see the related article in the Newsletter.

Distinguished Service Award: Jerry Banks introduced this year's recipient of the Distinguished Service Award, David Goldsman, with a number of observations about Dave during their relationship as friends and colleagues through many years. Please see the related article in the Newsletter.

Lifetime Professional Achievement Award: Jim Wilson announced that the Lifetime Professional Achievement Award recipient is Robert Sargent, who made a compelling and emotional acceptance speech. Please see the related article in the Newsletter.

The meeting was adjourned after the LPAA acceptance speech. A reception was held in recognition of Bob Sargent.

Attendees

John Ager, Choreograph Inc., john@choreographinc.com; Christos Alexopoulos, Georgia Tech, christos@isye.gatech.edu; Demos Angelides, Aristotle University Thessaloniki, danglid@civil.auth.gr; M. Ebru Angün, Tilburg University, m.e.angun@uvt.nl; Jay April, OpTek Systems Inc., april@optek.com; Sean Arthur, VirginiaTech, arthur@vt.edu; Jerry Banks, Independent Consultant, atljerry@earthlink.net; Russel Barton, Penn State University, rbarton@psu.edu; Neal Bengtson, Barton College, bengtson@barton.edu; Todd Bertulis, AFIT, tbpurdue@comcast.net; Greg Beskow, Phillips Plastics Corp., greg.beskow@phillipsplastics.com; Bahar Biller, Carnegie Mellon, billerb@andrew.cmu.edu; Felix Breiteneker, Vienna University of Technology, felix.breiteneker@tuwien.ac.at; Arnie Buss, Naval Postgraduate School, abuss@nps.navy.mil; Martha A. Centeno, Florida International University, centeno@fiu.edu; John Charnes, University of Kansas, jmc@ku.edu; Chun-Hung Chen, George Mason University, cchen9@gmu.edu; Russel Cheng, Southampton University, R.C.H.Cheng@maths.soton.ac.uk; Stephen Chick, INSEAD, steve.chick@insead.edu; Thorsten Daum, HIMASS, tdaum@himass.com; Wayne Davis, Univ. of Illinois at Urbana-Champaign, w-davis@uiuc.edu; John DiLeo, G.W.U / MITRE, dileo@mitre.org; J.D. Filippi, CNRS, him@batti.org; Mike Freimer, Penn State University, mbf10@psu.edu; Michael Fu, University Maryland, mfu@rhsmith.umd.edu; Miki Fukunari, Rensselaer Polytechnic Institute, fukunari@rpi.edu; Tatiana L. Garcia, Florida International University, tgarc005@fiu.edu; Peter Glynn, Stanford University, glynn@stanford.edu; Dave Goldsman, Georgia Tech, sman@isye.gatech.edu; Leonardo Gomez, Florida International

University, lgome016@fiu.edu; Don Gross, George Mason University, dgross1@gmu.edu; Aparna Gupta, Rensselaer Polytechnic University, guptaa@rpi.edu; Güll Gürkan, Tilburg University, ggurkan@uvt.nl; Dan Halpin, Purdue University, halpin@purdue.edu; Dean Hartley, Hartley Consulting, DSHartley3@comcast.net; Ray Hill, AFIT, ray.hill@afit.edu; Bjarne Højgaard, Aalborg University, bjh@math.auc.dk; L. Jeff Hong, Northwestern University, hongl@nwu.edu; Ming-hua Hsieh, National Chengchi University, mhsieh@mis.nccu.edu.tw; Paul Hyden, Clemson University, hyden@clemson.edu; Sheldon H. Jacobson, University of Illinois, shj@uiuc.edu; Jeff Joines, NC State University, jeffjoines@ncsu.edu; Vineet Kamat, VirginiaTech, vineet@vt.edu; Keebom Kang, Naval Postgraduate School, Kkang@nps.navy.mil; Jim Kelly, OpTek Systems Inc., kelly@optek.com; Seong-Hee Kim, Georgia Tech, skim@isye.gatech.edu; Jack Kleijnen, Tilburg University, kleijnen@uvt.nl; Matt Kosenshine, Penn State University-Emeritus, no e-mail; Steve Kou, Columbia University, sk75@columbia.edu; Mike Kuhl, Rochester Institute of Technology, mekeie@rit.edu; Emily Lada, North Carolina State University, eklada@eos.ncsu.edu; Pierre L'Écuyer, University of Montreal, lecuyer@iro.montreal.edu; Loo Hay Lee, National University of Singapore, iselee@nus.edu.sg; Julio Martinez, VirginiaTech, julio@vt.edu; O.J. Miller, AFIT, john.miller@afit.edu; Marvin Nakayama, NJIT, marvin@njit.edu; Dick Nance, VirginiaTech, nance@vt.edu; Mahdi Nasereddin, Penn State University, mxn16@psu.edu; Barry L. Nelson, Northwestern University, nelsonb@northwestern.edu; Szu Hui Ng, National University of Singapore, isensh@nus.edu.sg; Raghu Pasupathy, Purdue University, pasupath@ecn.purdue.edu; Debbie Pederson, Berkeley, debbie@ieor.berkeley.edu; Jutta Pichitlamken, University of Montreal, pichitla@iro.umontreal.ca; Mike Pidd, Lancaster University, m.pidd@lancaster.ac.uk; Chuck Reilly, University Central Florida, creilly@mail.ucf.edu; Stewart Robinson, Warwick University, stewart.robinson@warwick.ac.uk; Ralph Rogers, Old Dominion University, rrogers@odn.edu; Deborah Sadowski, Rockwell Software, dasadowski@software.rockwell.com; Paul Sanchez, NPS, pjs@alum.mit.edu; Susan Sanchez, Naval Postgraduate School, smsanchez@nps.navy.mil; Bob Sargent, Syracuse University, vsargent@sy.edu; Tiffany Sargent, Intel Corp., no e-mail; Lisa Schaefer, The MITRE Corp., LisaAnn@mitre.org; Bruce Schmeiser, Purdue University, bruce@purdue.edu; Thomas J. Schriber, University of Michigan, schriber@umich.edu; Lee Schruben, Berkeley, schruben@ieor.berkeley.edu; Perwez Shahabuddin, Columbia University, ps147@columbia.edu; Bruce Shultes, University of Cincinnati, bruce.shultes@uc.edu; Jeff Smith, Auburn University, jsmith@eng.auburn.edu; Ingolf Stahl, Stockholm School of Economics, ingolf.stahl@hhs.se; Natalie Steiger, University of Maine, nsteiger@maine.edu; Jim Swain, UAH, jswain@ise.uah.edu; Mike Taaffe, VirginiaTech, taaffe@vt.edu; Kristin Toney, North Carolina State University, kristin_thoney@ncsu.edu; Edwin Valentin, Delft University of Technology, edwinv@tbm.tudelft.nl; Mary Ann Wagner, SAIC, maflanig@gmu.edu; Hong Wan, Northwestern University, hwan@northwestern.edu; Pres White, University of Virginia, kpwhite@virginia.edu; Jim Wilson, NC State University, jwilson@eos.ncsu.edu; Enver Yücesan, INSEAD, enver.yucesan@insead.edu

Status Report on the Stochastic Models and Simulation Department for *Management Science*

Submitted for Paul Glasserman, Departmental Editor, by Marina Tourevski March 28, 2003

The Stochastic Models and Simulation Department of Management Science seeks high-quality papers dealing with all aspects of stochastic models and simulation relevant to the practice or theory of management science. The department is particularly interested in papers dealing with new areas of application. The department's editorial objectives appeared in the September 1998 issue of the journal. Authors can submit their paper to the Departmental Editor either by electronic mail (as one self-contained TeX or LaTeX or postscript file, without encoding) or by regular mail (in four hardcopies).

Authors must adhere to the submission guidelines given in the journal, especially regarding the formatting and length of the papers.

From the date of our last report for this newsletter September 18, 2002, to date, there were 18 new submissions, of which 9 are still under review, 6 were rejected and 4 were withdrawn. Two papers have been accepted for publication.

Our Associate Editors for the Department continue to be: Thanos Avramidis (Cornell University), Jim Dai (Georgia Tech), Michael Fu (University of Maryland), Perwez Shahabuddin (Columbia University), Jan van Mieghem (Northwestern University), Garrett van Ryzin (Columbia University), Tava Lennon Olsen (University of Washington), Stefanos Zenios (Stanford University), Felisa Vazquez-Abad from the University of Montreal and Steve Chick (INSEAD).

Marina Tourevski, for
Paul Glasserman
Columbia Business School
3022 Broadway, 403 Uris Hall
New York, NY 10027
Phone: (212) 854-4102
e-mail: pg20@columbia.edu

College Sponsors Under-Represented Minorities and Women

By Natalie Steiger

The INFORMS College on Simulation awarded two sponsorships to the 2002 Winter Simulation Conference in San Diego in December. The College on Simulation awards these sponsorships in an effort to support and encourage newcomers to the field of simulation and to spur interest in the field among under-represented minorities and women. The 2002 recipients were Miki Fukunari and Ebru Angun. Miki is a doctoral student in the Department of Decision Sciences and Engineering Systems at Rensselaer Polytechnic Institute and co-authored the paper "Data-Based Node Penalties in a Path-Finding Algorithm in an Automated Material Handling System." Ebru is also a doctoral student in the School of Economics and Business Administration at Tilburg University, The Netherlands and co-authored the paper "Response Surface Methodology Revisited." Both recipients were recognized at the business meeting of the College on Tuesday evening of the conference.

Ed's note: To apply for one of these awards for this year's WSC, please contact Natalie at nsteiger@maine.edu

The Puzzle Posed

By Shane Henderson

Source: Marcel Neuts

In many card games (e.g., hearts), all 52 cards are dealt out to 4 players before play begins. The first thing that the players do once they receive their cards is sort them into increasing order, where the meaning of "increasing order" depends on the game. Suppose that the game is played on a computer, and the computer does the dealing. Suppose further that the deck is represented by an array of numbers 1 through 52 representing the cards of the deck in increasing order. Suggest a method for the computer to do the dealing where the players' hands do not require sorting after the cards have been dealt. There are at least 2 methods for doing this.

Report on the Simulation Area for Operations Research

Respectfully submitted by Michael Fu, Area Editor, March 20, 2003

Activity in the Simulation Area of Operations Research (October 7, 2002 to March 20, 2003)

For the period specified, there were 4 new submissions and 0 resubmissions. For decisions on manuscripts made during the period, there were 6 rejections, 1 revise/resubmit recommendation, and 1 acceptance. Of the 8 decisions made during the period, 4 were late and 2 very late, where late and very late are defined as having spent over 3 and 6 months, respectively, with the Associate Editor.

The Associate Editors in the Simulation Area are

Sigrun Andradottir, Peter Haas, Jian-Qiang Hu, Sheldon Jacobson, Jack Kleijnen.

At present, there are 3 manuscripts under review, of which 1 is considered late and none are considered very late.

A note to prospective authors: Please submit your manuscripts to me electronically (mfu@rhsmith.umd.edu), preferably in pdf format.



IN



For more information on the conference, visit the website:

<http://www.informs.org/Conf/Atlanta03>



CORS/INFORMS Joint International Meeting

May 16-19, 2004

The Banff Centre, Banff, Alberta, Canada

Call for Sessions

In addition to a comprehensive technical program, the Banff 2004 conference offers a full social program, with two great receptions: the Welcome Reception being held at the Banff Centre (the conference hotel), and the authentic Brewster Mountview Barbecue, complete with "original Alberta beef," a country and western band, and a giant bonfire. The conference site is located in Banff National Park, a UNESCO World Heritage Site, and just a few minutes outside the bustling town of Banff. You can tour historic sites, soak in hot springs, stroll along the shores of Lake Louise, and drive the Icefields Parkway into adjoining Jasper National Park.

To organize a session for the conference, contact Russell Barton (rbarton@psu.edu), the simulation cluster chair. Russell must submit the list of sessions and session chairs to the organizing committee by June 30. Final session plans are due November 15.

For more information on the conference, go to: <http://www.informs.org/Conf/CORS/>

2003 Winter Simulation Conference

December 7-10, New Orleans, Louisiana, USA

<http://www.wintersim.org/>

WSC '03 will be held at the legendary Fairmont New Orleans Hotel adjacent to the French Quarter in the Central Business District. The Fairmont New Orleans sets the standard for elegance and impeccable service in a city known for its gracious accommodations. The Fairmont's location is within walking distance not only to the French Quarter but also the Garden District, Jackson Square, the Royal Street Antique Shops, the National D-Day Museum and many other attractions making New Orleans a perfect place for WSC. Moreover, shopping and dining is world class and an experience not soon to be forgotten. See the website for registration, hotel etc.



Expanding Horizons: FIU INFORMS Sends Students to WSC 02

By Martha Centeno



From left: Mr. Leonardo Gomez, Professor Susan Sanchez and Ms. Tatiana Garcia.

The young INFORMS' FIU (Florida International University) Student Chapter accomplished an outstanding teamwork task by supporting the participation of two of their members at the 2002 Winter Simulation Conference in San Diego, CA. Under the leadership of the Chapter President, Ms. Bertha Arteta, the Chapter engaged in several successful fundraising activities to raise the money to send Ms. Tatiana Garcia and Mr. Leonardo Gomez to the 2002 WSC. Of the experience, Leonardo and Tatiana say: "We, as student members of the INFORMS FIU Chapter, were really fortunate to have the privilege to attend the Winter Simulation Conference that was held in San Diego. For both of us, WSC'02 was the first simulation conference we have ever attended, and it was definitely an inspiring experience; not only did we have the opportunity to network with experts in the area of simulation, but we also gathered a large amount of valuable information for our future research."

In fulfilling its objectives, the FIU INFORMS Chapter encourages its members to participate in this type of conferences, so that their membership leads to an enrichment of knowledge, interaction and networking with world renown personalities, and to a better understanding of the application of the theory studied in their courses. Ms. Arteta was attended the WSC 2000 in Orlando. She was only a member then, but she and the then president, Ms. Elizabeth Lopez, they received a Women and Minority Scholarship from the INFORMS CS to attend the WSC 2000. Ms. Arteta was so impressed with the conference that not only she ran for an office in the FIU Chapter but she also has promoted WSC.

The FIU Chapter has seen that by Leonardo and Tatiana sharing their experiences, the other members of the FIU INFORMS Chapter were able to learn as well about topics exposed and events in general. This was the first activity of this kind for the Chapter, and the fruits derived from it were so great that the Chapter plans to make this an annual event, and it is planning to send students to the IIE Annual Conference in May 2003 too.

Bob Sargent Receives 2002 Lifetime Professional Achievement Award



Tom Schriber (left) and Bob Sargent

The Lifetime Professional Achievement Award is the highest honor given by the Institute for Operations Research and the Management Sciences (INFORMS)–College on Simulation. Given at most once a year, the award recognizes major contributions to the field of computer simulation that are sustained over a professional career. The winner may qualify based on one or more of the following six areas:

- research,
- practice,
- dissemination of knowledge,
- development of software or hardware,
- service to the profession, and
- advancement of the status or visibility of the field.

The nomination of Bob Sargent for the INFORMS-CS Lifetime Professional Achievement Award was

accompanied by letters of endorsement from ten distinguished individuals who can evaluate authoritatively various facets of Bob's remarkable career. A common theme running through the ten letters of endorsement is that in all his professional activities, Bob has set a standard for uncompromising integrity and a commitment to excellence that many people in the international simulation community have tried to emulate. Perhaps Lee Schruben expressed this sentiment most forcefully in his letter of endorsement:

At critical points in my career and life, he has been the most supportive voice. Above all else, Bob is always the teacher. He is direct but constructive in his criticisms, and with high but attainable standards. Even after losing an argument with Bob, he somehow makes me feel better than before the exchange. In academics, where arrogance and negativity often mask themselves as a commitment to high standards, Bob stands out as positive, able to see and add value. He tries to look for what is right as well as what may be wrong with any new idea. There are several lines of research that I would have abandoned without Bob's encouragement and some that I did abandon, or should have, for lack of it.

If it is possible for someone to be everyone's friend, then Bob has done it by being a best friend to our profession. I am happy to count him among mine. Bob's accomplishments stem from one core value: he cares, and by doing so makes us all care.

Bob Sargent's career epitomizes the highest ideals of the Lifetime Professional Achievement Award of the INFORMS-College on Simulation; and it was with great pride that the selection committee presented the award to him.

Adapted from the citation given by Jim Wilson.

David Goldsman Receives 2002 Distinguished Service Award



The Distinguished Service Award recognizes individuals who have provided long-standing, exceptional service to the simulation community. David Goldsman is this year's recipient of the Distinguished Service Award. He is a Professor in the School of Industrial and Systems Engineering at Georgia Tech. Dave has given longstanding, exceptional service to the simulation community in many areas.

Dave has served the Winter Simulation Conference (WSC) as Associate Proceedings Editor and as Program Chair. He founded the Ph.D.-Student Colloquium at the Winter Simulation Conference; and he arranged for this activity to be sponsored by the College. He is currently the representative of the Institute of Industrial Engineers (IIE) on the WSC Board of Directors. He has also been a consistent contributor to the content of WSC through his many papers, panel memberships, and as session chair.

Dave has distinguished himself through his service as Simulation Department Editor of IIE Transactions (1993-present), Associate Editor of the Simulation Department of Management Science (1988-1992), and Associate Editor of Operations Research Letters (1990 to present). A few months before Alan Pritsker's retirement in December 1998, Dave conceived the idea of editing a special issue of IIE Transactions in Alan's honor.

Dave was Associate Newsletter Editor of the INFORMS College on Simulation during the period 1987-1988 and Newsletter Editor during the period 1988-1990. Dave oversaw a complete revamping of the format and content of the Newsletter, working with a graphic design artist to produce the crisp, professional format that the Newsletter has had for the past twelve years. Moreover, Dave instituted a number of regular columns in the revamped Newsletter, including semiannual reports from journals publishing papers in simulation.

While serving as College President during the period 1994-1996, Dave undertook three major initiatives that have profoundly changed the College's infrastructure and some of its most important traditions.

Dave conceived the idea of the College's Lifetime Professional Achievement Award (LPAA) in 1994 and shepherded the proposal through a lengthy process of discussion and final approval by the College membership. Dave served as the Chair of the LPAA Selection Committee during the initial years of its operation.

Dave initiated the creation and ongoing maintenance of the College website. He convinced the School of Industrial and Systems Engineering at Georgia Tech to provide host computer services; and set up the arrangement for ongoing website maintenance that has continued to the present time. In the Fall of 1997, Dave recruited the web editor; and since that time has served as consulting web co-editor.

Another major initiative of Dave's tenure as College President was to oversee the College's transition during the merger of The Institute of Management Sciences (TIMS) and the Operations Research Society of American (ORSA) to form the Institute for Operations Research and the Management Sciences (INFORMS). This merger had a potentially damaging effect on the Winter Simulation Conference. Through his masterful handling of the protracted debate on this issue, Dave worked out a compromise that was critical to the continued success of WSC and to the uninterrupted advancement of the activities of the INFORMS-College on Simulation.

This citation cannot cover all of the contributions that Dave Goldsman has made to simulation. Dave gives his time, his effort, and himself to the service of our profession - and he does it with a joy that is infectious. Dave Goldsman is a most appropriate recipient of the Distinguished Service Award of the INFORMS-College on Simulation.

Adapted from the citation given by Jerry Banks

Soren Asmussen, Klemens Binswanger, and Bjarne Hojgaard Receive Outstanding Publication Award



Soren Asmussen



Klemens Binswanger



Bjarne Hojgaard

Rare events simulation for heavy-tailed distributions, *Bernoulli*, 6, 2 (2000), pp. 303-322

We all know that straightforward simulation fails to provide meaningful estimates in the cases where rare events have an important impact on the quantity of interest. Methods such as importance sampling for rare event simulation sometimes come to the rescue in this context. Importance sampling is one of the most vibrant areas of simulation research. Importance sampling has been applied in areas such as reliability, telecommunications, finance, and risk analysis. Until recently, this work was essentially restricted to models with light-tailed distributions, whose density has a tail that decays exponentially. But empirical data analyses in telecommunications, insurance, and finance, for example, have indicated the presence and importance of heavy-tailed distributions, whose tails decay slower than exponentially. The traditional importance sampling tools, such as the exponential change of measure, do not apply in this context.

Asmussen, Binswanger, and Hojgaard opened up a new area of research by addressing the question of how to do rare event simulation for models with heavy tails. They showed that things are fundamentally different and generally more difficult than in the light-tailed case. Their paper presents a very clear introduction to the central features of heavy-tailed distributions, distinguishing various categories of distributions, and shows the practical implications of asymptotic properties in developing efficient simulation estimators. Several other papers have been written on this topic recently and it is fair to say that variance reduction for heavy-tailed models will remain an important area of research for the coming years.

This paper is also representative of Asmussen's deep and extensive contributions to the theoretical foundations of discrete-event simulation. His other contributions include important work on efficient gradient estimation, simulation of queues in heavy traffic, and rare-event simulation.

(This text is adapted from citations of Paul Glasserman and Peter W. Glynn)

WSC '02 Proceedings Papers Now Online

The officers and members of the INFORMS-College on Simulation are pleased to announce that the full text of every paper presented at the 2002 Winter Simulation Conference (WSC) is now freely available from the College website, <http://www.informs-cs.org>, along with the papers presented at WSC '97 through WSC '01.

Postdoctoral Opportunity

Simulation and Optimization Laboratory
Department of Mechanical and Industrial Engineering
University of Illinois at Urbana-Champaign

The Simulation and Optimization Laboratory in the Department of Mechanical and Industrial Engineering, College of Engineering, University of Illinois at Urbana-Champaign invites applications for a two year post-doctoral research associate beginning August 21, 2003. The ideal candidate should have a strong background in operations research fundamentals, with a particular emphasis on basic research that interfaces between discrete optimization and algorithm/heuristic design, and applied probability. Our research group is also active in applying the results of our basic research in the areas of aviation security and health-care delivery systems.

Requirements include a Ph.D. degree in applied mathematics or industrial engineering (with an

emphasis on operations research). Opportunities to teach operations research courses may also be available, if desired. In addition to salary, ample support for travel and computers are available.

To ensure full consideration, applications must be received by April 15, 2003; applications will be considered until the position is filled. Send an up-to-date curriculum vita, copies of undergraduate and graduate transcripts, with the names of three references (all via regular mail; e-mail applications and inquiries cannot be processed) to:

Professor Sheldon H. Jacobson
Director, Simulation and Optimization Laboratory
Department of Mechanical and Industrial Engineering
University of Illinois
1206 West Green Street (MC-244)
Urbana, IL 61801
www.staff.uiuc.edu/~shj/shj.html

Call for Nominations

2002 Outstanding Simulation Publication Award

To recognize outstanding contributions to the simulation literature, the INFORMS College on Simulation annually sponsors an Outstanding Simulation Publication Award. Nominations for the award to be given in 2003 should be sent by October 1, 2003, to the Award Committee Chair:

Barry L. Nelson
Department of Industrial Engineering and Management Sciences
Northwestern University
2145 Sheridan Road
Evanston, IL 60208-3119 USA
Phone: 847-491-3747
Fax: 847-491-8005
email: nelsonb@northwestern.edu

Anyone is eligible to win the award. Journal articles, proceedings articles, books, and monographs copyrighted in 2000, 2001 and 2002 are eligible for the award to be presented in 2003. Technical reports, research memoranda, working papers, theses, and dissertations are not eligible. Nominations for the

award may be made by anyone, including the author(s), but they may not be made anonymously. Nominations should include:

- a. A copy of the written work, including all bibliographical information (in the case of books, the Awards Committee will obtain copies);
- b. A short statement suitable for reading at the award ceremony if the work is chosen; and
- c. Any other information thought relevant by the nominator.

If given, the Outstanding Simulation Publication Award will be presented at the Winter Simulation Conference, New Orleans, December 7-10, 2003.

A list of previous winners is available on the www site: <http://www.informs-cs.org/pubwinn.html>

Call for Nominations Distinguished Service Award

To recognize individuals who have provided long-standing, exceptional service to the simulation community, the Institute for Operations Research and the Management Sciences College on Simulation (INFORMS-CS) has established its Distinguished Service Award, which may be given to at most one person annually. Sustained service to the simulation community should extend over a period of 15 to 20 years or longer and be acquitted with distinction. The concept of service for this award does not include teaching or research contributions. Areas of volunteer service include, but are not limited to, the following:

1. Elected offices in simulation societies;
2. Editorial responsibilities for simulation such as department editor, area editor, and editor-in-chief;
3. Conference responsibilities involving simulation such as program chair, proceedings editor, general chair, and being a member of the organizing or program committee;
4. Appointed positions for simulation-related activities such as serving on committees and being a newsletter editor; and
5. Undertakings and actions that promote simulation in the "larger community."

Nominations for the Distinguished Service Award can be made by anyone and are made by sending a letter of nomination to the chair of the award selection

committee by September 1, 2003. Letters of nomination should identify the nominee's areas of exceptional service, detailing the activities for which the nominee is believed to deserve this award. The nominee's current vita must be included with the nomination letter. The individual or individuals making the nomination have the primary responsibility for justifying why the nominee should receive this award. If given, the award will be presented in December at the 2003 Winter Simulation Conference in New Orleans, Louisiana: <http://www.wintersim.org/>.

A list of past winners of the award can be found at: <http://www.informs-cs.org/dsawin.html>. Nominations should be sent to the Chair of the Distinguished Service Award Committee:

Professor Stephen Roberts
North Carolina State University
Department of Industrial Engineering
Riddick Labs, Room 328
Raleigh, NC 27695-7906
Phone: (919) 515-6400
Fax: (919) 515-5281
E-mail: roberts@eos.ncsu.edu

This address is sufficient for next-day delivery services.

The Puzzle Answered

By Shane Henderson

Method 1 (Marcel Neuts): Generate another array y say with 52 entries containing 13 ones, 13 twos, 13 threes and 13 fours. Shuffle this array (there are efficient algorithms for doing this – see Devroye 1986). Then work through the original array, delivering the j th card to player $y(j)$. Since the cards are dealt in order, the resulting hands are in order.

Method 2 (sequential sampling): Let $x(j, n)$ be the number of cards player j still needs after n cards have been dealt, with $x(j, 0) = 13$ for $j = 1, 2, 3, 4$. After n cards have been dealt, deal the next card to player j with probability $x(j, n) / (52 - n)$ independently of all other deals and update the $x(j, n)$ s. Since the cards are dealt in order, the resulting hands are automatically in order.

Call for Nominations Lifetime Professional Achievement Award

The Lifetime Professional Achievement Award of the Institute for Operations Research and the Management Sciences (INFORMS) College on Simulation is the highest honor given by the College. The purpose of this award is to recognize major contributions to the field of simulation that are sustained over a professional career, with the critical consideration being the total impact of those contributions on computer simulation. An individual's contributions may fall in one or more of the following areas:

- contributions to research,
- contributions to practice,
- dissemination of knowledge,
- development of software or hardware,
- service to the profession, and
- advancement of the status or visibility of the field.

Given at most once a year, this award consists of a plaque and reasonable travel expenses incurred by the recipient when attending the presentation ceremony. The presentation is made at the Winter Simulation Conference. The 2003 Winter Simulation Conference takes place in December 7-10, 2003, in New Orleans, Louisiana.

Anyone is eligible to be nominated for the award, and the award may be given posthumously. Nominations may be submitted by anyone (including self-

nominations), but they may not be made anonymously. The burden of offering evidence of merit falls on the nominator. Each nomination should include:

- the nominee's complete resume;
- a clear-cut, comprehensive description of the nominee's major contributions to the profession, with complete supporting documentation; and
- at least three letters of endorsement providing evidence of the significance and magnitude of the nominee's professional achievements.

Nominations for the award must be received by the chair of the award selection committee no later than August 15, 2003:

Professor Thomas J. Schriber, Chairman
LPAA Award Selection Committee
School of Business
701 Tappan Street
University of Michigan
Ann Arbor MI 48104-1234
Email: schriber@umich.edu
Fax: 734-936-8716

This address is sufficient for next-day delivery services.

INFORMS College on Simulation E-mail Directory

E-mail listings for College on Simulation members that have chosen to allow their names to be published are available electronically at the WWW site: <http://www.rit.edu/~mekeie/icsemail.html>

The list is created automatically by querying the *INFORMS* registration database. This allows us to offer a complete e-mail list that is current, rather than being updated only twice a year. Individual *INFORMS-CS* members are responsible for updating their entries via the *INFORMS* page. The address of the *INFORMS* page for updating your address is: <http://www.informs.org/Members/ProfileUpdate/>. If you have questions or difficulties, please contact Mike Kuhl (mekeie@rit.edu). If you are unsure whether or not your membership is current, contact Steve Chick (stephen.chick@insead.edu, Sec/Treas of *INFORMS-CS*) for confirmation.

INFORMS Employment Service

INFORMS has some employment services on the www site <http://www.informs.org/employment.html>.

Event Calendar

By Michael Kuhl, Associate Newsletter Editor, March 31, 2003

Agent-Based Simulation 4, Montpellier, France, April 28-30, 2003. Contact: Rainer Rimane, +49 (0)9131 - 8527 896 Email: rimane@cs.fau.de WWW: http://abs2003.cirad.fr/index_an.html

SimTecT 2002, Adelaide, Australia, May 26-29, 2003. Contact: Conference secretariat +61 2 6251 0675 simtect@consec.com.au WWW: <http://www.siaa.asn.au/simtect/2003/2003.htm>

INFORMS Conference on OR/MS Practice, Phoenix, Arizona, May 4-6, 2003. Contact: meetings@informs.org 1-800 343-0062 or 401 274-2525. WWW: <http://www.informs.org/>

IIE Annual Conference, Portland, Oregon May 18-21, 2003. Contact: Katherine Kinser kkinser@iienet.org WWW: <http://www.iienet.org/annual/>

Canadian Operational Research Society, Vancouver, Canada, June 1-4, 2003. WWW: <http://www.cors.ca/meetings/confer.htm>

17th Workshop on Parallel and Distributed Simulation, San Diego, California., June 10-13, 2003. Contact: George F. Riley Email: riley@ece.gatech.edu or Philip Wilsey philip.wilsey@ieee.org WWW: <http://www.pads-workshop.org/>

17th European Simulation Multiconference, Nottingham, United Kingdom, June 2003. WWW: <http://biomath.rug.ac.be/~scs/conf/index.html#present>

ACM SIGMETRICS 2003 San Diego, California, June 10-14, 2003. Contact: Satish Tripathi tripathi@engr.ucr.edu WWW: <http://www.crhc.uiuc.edu/sigm2003/>

European Simulation Interoperability Workshop, Stockholm, Sweden, June 16-19, 2003. WWW: <http://www.sisostds.org/conference/index.cfm?conf=03euro>

First Joint Meeting of CAIMS and SIAM 24th Annual Meeting of CAIMS/SCMAI 2003 Montreal, Quebec, Canada, June 16-20, 2003. Contact: meetings@siam.org WWW: <http://www.siam.org/meetings/an03/index.htm>

International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS '03), Montreal, Canada, July 20-24, 2003. Contact Mohammad S. Obaidat 732-571-4482 obaidat@monmouth.edu WWW: <http://scs.org/confernc/ssimc/ssimc03/cfp/spects03.htm>

Operations Research 2003, University of Heidelberg, Germany, September 2 – 5, 2003. Contact: or2003@uni-heidelberg.de WWW: <http://www.gor-online.org/tmp/index.html>

INFORMS Annual Meeting, Atlanta, Georgia, October 19-24, 2003. Contact: meetings@informs.org 1-800 343-0062 or 401 274-2525. WWW: <http://www.isye.gatech.edu/informs2003/>

WSC 2003: Winter Simulation Conference, New Orleans, Louisiana, December 7-10, 2003. WWW: <http://www.wintersim.org>

Fifth St. Petersburg Workshop on Simulation, St. Petersburg, Russia, June 2005. Contact: Prof. Viatcheslav B. Melas. Email: v.melas@pobox.spbu.ru WWW: <http://vega.math.spbu.ru/workshop/2001/>

