



INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT SCIENCES

I-Sim News

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President's Message

Two primary objectives of the INFORMS Simulation Society are to encourage the development and dissemination of knowledge in the area of simulation, and to promote communication and interaction among individuals and organizations who share an interest in simulation. The upcoming INFORMS Annual Meeting in Seattle and the upcoming Winter Simulation Conference (WSC) in Washington DC are two great venues for sharing and learning some of the latest and greatest in simulation research and simulation practice. Thanks go to Mike Kuhl, who has organized the Simulation stream of sessions in Seattle. Please also consider attending the I-Sim Business Meeting on Sunday, November 4, from 6:15 to 7:15pm to meet with simulation colleagues. Thanks go to Russell Barton as Program Chair of WSC, for his work to assemble a solid program in DC, as well as for the work of the many I-Sim members that serve as track coordinators and/or as session chairs or speakers. The Business meeting in DC will be on Tuesday, Dec 11, from 6:15 to 7:30pm, with refreshments thereafter. The INFORMS Office has been very supportive for I-Sim's activities at these events, and special mention to Paulette Bronis, Cheryl Clark, and Terry Cryan is warranted. Thank you.

The first ever I-Sim Research Workshop was held at the INSEAD campus in Fontainebleau, France this past July. A variety of theoretical and application specific issues were raised for simulation as it fits into decision making contexts, including optimization, uncertainty analysis, manufacturing, public health, finance, and supply chain contexts, among others. The cross-fertilization led to a good deal of active collegial discussion among the 43 participants. The program is available via the I-Sim homepage, including links to the extended abstracts of the presentations. Thanks go to program committee members Shane Henderson, Chun-Hung Chen and Enver Yücesan, and the financial support of the US NSF and INSEAD. ACM TOMACS has kindly offered space for a special issue for full papers that are linked to workshop presentations.

A note of appreciation is due to IBM, which has made a generous give to support two I-Sim activities at WSC – the CUMW (Committee on Underrepresented Minorities and Women) and the PhD Colloquium. The gift was facilitated by I-Sim member Soumyadip Ghosh. The awards provide support for deserving individuals to participate at WSC.

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Editor's Corner

Dear members of INFORMS Simulation Society, I hope this newsletter finds you well. I would like to highlight a few items from this newsletter.

First, in Steve's President's message, you will find a brief summary of the first I-Sim Research Workshop held at the INSEAD campus this past July. It was a very successful workshop. There were many interesting presentations, which led to many interesting and meaningful discussions. Let's take this opportunity to thank Steve, Enver, Shane and Chun-Hung for organizing this workshop, and hope that we will have more of this type of workshops in the future.

Second, the I-Sim Society will be holding its election of officers and council members in spring of next year for terms beginning 1 July 2008. The Nomination Committee has prepared a list of candidates.

Third, the INFORMS annual conference and the Winter Simulation Conference are coming. You will find highlights of the conferences in the newsletter. We will have I-Sim business meetings in both conferences. Please attend them if you attend the conferences.

See you in Seattle and Washington D.C.

Jeff

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

<http://www.informs-sim.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 society interests and activities. There are often additional special items, such as *WSC'07*, and upcoming *INFORMS* conferences.



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

To join, call 1-800 4 INFORMS (from the USA) or (+1)(410) 850-0300 (from outside the USA). Or point your web browser to <http://www.informs-sim.org/join.html>. Or contact the secretary, Nilay Argon. His address information appears on the front cover. Please pass along this announcement to others who might be interested in joining. POSTMASTER: Send address changes to *INFORMS Simulation Society Newsletter*, 901 Elkridge Landing Road, Suite 400, Linthicum, MD 21090.

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INFORMS Simulation Society Treasurer's Report

Seong-Hee Kim
October 2, 2007

Net Worth
As of June 30, 2007

ASSETS	
Cash and Bank Accounts	
INFORMS Account Available	37,991.53
INFORMS-CS Checking	3,742.35
INFORMS Account (Deferred dues for 2008)	285.00*
TOTAL ASSETS	42,018.88

LIABILITIES	
Outstanding Check	300.00

NET WORTH 41,718.88

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 003936322008).

Cash Flow Report
January 1, 2006 ~ June 30, 2007

INFLOWS*	
2006 Dues Income	5,000.00
2007 Dues Income (January 1, 2007 ~ June 30, 2007)	4,345.00
'05 WSC Surplus	4,500.00
'06 WSC Surplus	13,000.00
Support for CUMW from IBM	3,000.00
Interest Incomes*	578.19
TOTAL INFLOWS	30,423.19
OUTFLOWS	
Award Expense	38.25
INFORMS Reception	264.04
WSC'06 Reception	1,467.22
'06 Ph.D. Colloquium	2,200.00
CUMW Awards	200.00
'06 Outstanding Publication Award	500.00
'05 Outstanding Publication Award	500.00
Simulation Archive	300.00
Web Page Maintenance	1,200.00
Check Book Reorder	32.00
TOTAL OUTFLOWS	6,701.51
NET CASH FLOW	23,721.68

* Deferred dues for 2008 are funds received but that become available only on January 1, 2008 and are therefore not counted in the total inflows. Interest income from the account held at *INFORMS* headquarters is not calculated until the end of the calendar year. Interest income for 2006 was \$578.19. Dues income reflects actual receipts to *INFORMS* office until 6/30/07. For the entire calendar year 2006, there was \$5,000 in dues revenue.

President's Message Continued

I-Sim elections will be held again this spring. Russell Barton chaired the Nominating Committee for this year's I-Sim elections. Thanks go to Russell and to the rest of the Nominating Committee: Russell Cheng, Barry Nelson, and Leyuan Shi. The candidates for the various positions are located later in this issue. The committee would welcome additional candidates, which can be added to the ballot by submitting a petition with 10 or more member signatures to Russell before March 1, 2008.

If you would like to become more involved with the many activities of I-Sim that support communication and interaction among individuals and organizations that share an interest in simulation, please contact me or one of the other officers.

-- Steve Chick

Secretary's Corner

It is that time of the year again! Two exciting conferences for the simulation community are around the corner. This year INFORMS Annual Meeting will be held in Seattle, Washington (November 4-7), and the Winter Simulation Conference (WSC) is back in Washington DC (December 9-12). To receive reduced registration fees for these conferences, do not forget to renew your INFORMS membership!

In this issue of the newsletter, I would like to share with you some data we have pulled from the INFORMS membership database. As of September 10, 2006, I-Sim has 666 members. Of all these 660+ I-Sim members, nineteen are members of the INFORMS Women in OR/MS Forum (WORMS) and only three are members of the Minority Issues Forum of the INFORMS! Unfortunately, we have no data available on how many women and/or underrepresented minorities we have in the society, but my guess is that the number is not very much different from the number of I-Sim members who

are also WORMS and INFORMS Minority Issues Forum members. This clearly shows that we should do more to foster the participation of women and underrepresented groups within the simulation community. I-Sim already has a committee for the underrepresented minorities and women (CUMW) and the committee has been actively working for the past several years. If you have specific suggestions as to how I-Sim can increase the participation of women and minorities in the society, please feel free to contact me or Jesus Jimenez, the chair of the CUMW (e-mail: Jesus.Jimenez@txstate.edu). You can also show your support for women and underrepresented minorities in OR/MS by signing up for the WORMS and the Minority Issues Forum when you renew your INFORMS membership.

Cheers!

Nilay Tanik Argon

Ph.D. Colloquium

Wai-Kin Chan

The Ph.D. Colloquium at the 2007 WSC promises to be an exciting opportunity for Ph.D. students to present their work to the public. Professor Ray Paul, keynote speaker for this year's SIGSIM-sponsored complimentary luncheon, will share his long-time experiences in simulation at the keynote speech. The following support will be provided: 1) I-Sim and ACM-SIGSIM provide \$100 reimbursement for the conference registration; 2) The Simulation Society provides complimentary one-year membership in the Simulation Society; 3) ACM/SIGSIM provides complimentary luncheon.

In addition to the presentations, Poster Session, and complementary luncheon, students will have the

opportunity to have their papers considered for the I-Sim/ACM-SIGSIM Best Student Paper award. Finalists will be selected based on their papers which were accepted through the regular WSC submission process. These finalists will be further judged during their Colloquium presentations as well as their papers for the award winners. There will be two winners: best computer science-focused paper, and best OR/MS-focused paper. Each winner will receive \$200 prize. For more information on the Ph.D. Colloquium and Best Student Paper award, contact Young-Jun Son at son@sie.arizona.edu, Victor Chan at chanw@rpi.edu, or Simon Taylor at Simon.Taylor@brunel.ac.uk.

INFORMS 2007 Annual Conference Simulation Society Sessions and Business Meeting

Mike Kuhl

The INFORMS Simulation Society is sponsoring 7 sessions at the INFORMS 2007 Annual Conference, scheduled to take place in Seattle, WA on November 4-7. Sessions on Sunday (Nov. 4) include those organized and chaired by Sigrun Andradottir (8 a.m.: Optimization via Simulation I), Sigrun Andradottir (10 a.m.: Optimization via Simulation II), Hong Wan (1:30 p.m.: Joint QSR/Simulation Session), Michael Kuhl (1:30 p.m.: Simulation Modeling; and Tutorial on Agent Based Simulation), Preston White and Roy Creasey (4:30 p.m.: Advances in Simulation Output Analysis). On Monday (Nov. 5) sessions include those organized and chaired by Jeff Smith (8 a.m.: Simulation-based Intruder Behavior and Detection) and Young-Jun Son (10:00 a.m.: Simulation-based Control). Thanks to each of the session organizers, as well as to the speakers in those sessions, for helping to make for a great

conference. More details about each of the talks in those sessions can be found by searching the on-line program at <http://meetings.informs.org/Seattle07/>.

You are also invited to the INFORMS Simulation Society Business Meeting on Sunday, November 4, at 6:15 p.m. Please come out to meet your simulation colleagues.



IFORS 2008 Conference Sandton, South Africa, July 13-18, 2008

Mike Kuhl (source <http://www.ifors2008.org>)



The Simulation Society plans to sponsor sessions at the IFORS 2008 Conference in Sandton, South Africa, July 13-18, 2008. If you would like to organize a session for the conference or give a presentation in an I-SIM sponsored session, please contact Mike Kuhl

(mekeie@rit.edu) as soon as possible. The deadline for submitting abstracts is December 15, 2007.

For details about the conference, please visit the conference website at <http://www.ifors2008.org>.

Pirate Mathematics: Puzzle Posed

Raghu Pasupathy

Ten disgruntled first rate mathematicians decide to change career paths and became pirates. In their first capture, they take a Spanish galleon with hundred pieces of gold and came up with the following scheme of distributing the monies: the oldest makes a proposal on who gets how many and the proposal is voted on by everybody. If the proposal gets half or more of the votes, the proposal is adopted and the

gang goes for the next ship. If the proposal gets less than half the votes, the proposer is thrown overboard for his mathematical deficiency and the next oldest makes a proposal. Assuming there are no ties in age, and that the coins cannot be broken (at least not happily), how will the monies be distributed?

2007 Winter Simulation Conference Washington, D.C. December 9-12, 2007

Mike Kuhl (source <http://www.wintersim.org>)



WSC '07 marks the 40th anniversary of the Winter Simulation Conference. WSC '07 will be held at the JW Marriot Hotel on Pennsylvania Avenue in Washington, D.C. on December 9-12, 2007.

WSC '07 features a comprehensive program ranging from introductory tutorials to state-of-the-art research and practice. The conference includes student presentations, exhibits, training sessions by software vendors, business meetings for professional societies and software user groups, and a general reception. It will also feature the newly designed "Clinic Sessions" in which a simulation practitioner presents a modeling or

analysis problem that arose in a recent project. A panel of 2 or 3 simulation experts comment and provides guidance. The practitioner responds, after which the session is opened to the audience for Q&A and comments. Also added are the 40th Anniversary Landmark Paper Sessions which include talks on the most influential papers from the first 40 years of the Conference." (<http://www.wintersim.org>).

For additional information about WSC '07 visit <http://www.wintersim.org>.

Society Sponsors Under-Represented Minorities and Women

Jesus Jimenez

In order to cultivate the interest and encourage the participation of underrepresented minorities and women in the field of simulation, the INFORMS Simulation Society is proud to award sponsorships to assist graduate students from these population groups in the costs of attending the 2007 Winter Simulation Conference (WSC). Each award will consist of an honorarium of about \$400.00, which can be applied towards the meeting expenses (including travel) and a one-year membership to the Simulation Society.

Prospective candidates should provide a letter of interest and a letter of recommendation explaining how the

WSC can make a positive contribution to expanding their knowledge on simulation, and demonstrating the applicant's promise as a member of the simulation community. Please submit your application package electronically to Jesus Jimenez at Jesus.Jimenez@txstate.edu.

We would like to thank IBM for their munificence. Their very kind gift of \$3000 will be used to fund these awards, and provide a luncheon for the graduate students that participate in the Ph.D. Colloquium. Without IBM's extraordinary support, these awards would not be possible.

Report on the Stochastic Models and Simulation Department for Management Science

Michael Fu, Departmental Editor, October 18, 2007

Department's Editorial Objectives: We are interested in innovative modeling and methodological contributions that have relevance to the current theory and practice of management science, or have potential to be relevant in the future. Please consult

<http://www.informs.org/site/ManSci/index.php?c=20&kat=Department+Editorial+Statements>

Submission: Manuscripts must be submitted online at

<http://mc.manuscriptcentral.com/ms>

NB: a paper will be rejected if the Managerial Relevance Statement is inadequate!

Manuscripts submitted to the department prior to 2006 are being handled by Wally Hopp, the Editor-in-Chief, with the exception of those papers having co-authors affiliated with Northwestern University, which I am handling.

According to the statistics for the department compiled by the Managing Editor, Betty Martin, for the first three quarters of 2007, there were 38 new submissions on which decisions have been made: 33 rejections and 5 revisions requested; and 10 revised submissions, of which 3 were accepted and 7 requested further revision (none rejected). The mean response time over the first

three quarters was 69 days for new submissions and 55 days for resubmissions; 66% of new submissions and 80% of resubmissions were decided within 90 days, and 89% of new submissions and 100% of resubmissions were decided within 180 days.

Associate Editors:

Rene Caldentey, New York University
 Hong Chen, University of British Columbia
 Wedad Elmaghraby, University of Maryland
 Sandeep Juneja, Tata Institute of Fundamental Research
 Ger Koole, Vrije University of Amsterdam
 Steven Kou, Columbia University
 Leslie Servi, MIT Lincoln Laboratory
 Enver Yücesan, INSEAD

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Report on the Informs Journal on Computing

Marvin Nakayama, Simulation Area Editor

Since I took over as Simulation Area Editor of the Informs Journal on Computing in January 2007, there have been 7 new submissions. Of these, there were 5 rejections, 1 revise-and-resubmit decision, and 1 currently under first review. The average turnaround time has been 23 days, with no turnaround being more than 3 months.

The Associate Editors in the JOC Simulation Area are Russell Barton, James M. Calvin, Bruno Tuffin and Enver Yucesan.

The JOC Simulation Area covers all computational aspects of simulation. We seek high-quality research on the computational aspects of simulation model building, simulation data structures, simulation modeling and

experiment environments, stochastic input modeling, random-variate generation, output analysis, optimization, variance-reduction methods for simulation experiments, and other aspects of simulation modeling, experimentation, and analysis. Tutorials and applications in the above areas that are comprehensive and integrate from multiple sources are also welcome. Complete instructions for authors are available at <http://joc.pubs.informs.org>. Electronic submissions (preferably in PDF format) should be sent to:

Marvin K. Nakayama
 Simulation Area Editor, INFORMS JOC
marvin@njit.edu
 Computer Science Department, New Jersey Institute of Technology, Newark, NJ 07102, 973-596-3398 (phone).

Report on the Simulation Area for Operations Research

Shane G. Henderson, Operations Research Simulation Area Editor Aug 30, 2007

Activity in the Simulation Area of Operations Research (Feb 27, 2007 to Aug 30, 2007)

The Associate Editors in the Simulation Area continue to be Stephen E. Chick, Peter Haas, Tito Homem-de-Mello and Seong-Hee Kim. Many thanks to them for their tremendous efforts!

For the period specified, there were 15 new submissions and 2 resubmissions. There were 16 rejections and 3 revise-and-resubmit decisions. For decisions on new submissions made in this period, 3 were late (more than 3 months from date of submission). For decisions on resubmissions, none were late (more than 2 months from date of resubmission).

These numbers may seem a bit depressing, but please keep in mind that OR's submission rate has increased dramatically over the last couple of years. We suspect that the ease of access to manuscript central is driving a lot of the increase, but even taking that as given, we are still seeing many more papers. To align the submission rate to the publishing rate we need, in steady-state, to accept on the order of 1 in 10 new submissions. So we

are having to reject some very good and interesting papers that are not an excellent match for the simulation area's goals, which are as follows.

The simulation area of Operations Research looks for significant work in simulation modeling, methodology and applications that advance the knowledge and practice of simulation. In addition to the traditional research areas, we welcome contributions that develop the interface of simulation with other methodological areas, e.g., optimization and applied probability, and with application areas, e.g., service industries like healthcare and financial engineering, manufacturing, and business dynamics. In general, papers should be of interest to a broad OR audience, and not just to the simulation community, although we certainly welcome papers that represent major theoretical progress.

Please submit papers electronically via the Manuscript Central O.R. Web site (<http://mc.manuscriptcentral.com/opre>).

Report on ACM Transactions on Modeling and Computer Simulation (TOMACS)

Jim Wilson, Editor-in-Chief, ACM TOMACS, September 24, 2007

Here is a summary of the editorial activities of the ACM

Transactions on Modeling and Computer Simulation (TOMACS) for the period January 1, 2007 -- September 24, 2007:

- # Papers submitted: 46
- # Papers accepted: 19
- # Papers rejected: 25
- # Papers withdrawn: 0

As of September 24, 2007, there were 27 papers in review and 12 papers were being revised by the authors. According to Manuscript Central, for the past twelve months, the average time from submission to the first round of editorial feedback was 72 days; and the

average time from submission to final decision was 83 days.

From the ACM TOMACS Editorial Scope and Charter: The ACM Transactions on Modeling and Computer Simulation (TOMACS) provides a single archival source for the publication of high-quality research and developmental results in computer simulation. The subjects of emphasis are discrete event simulation, combined discrete and continuous simulation, as well as Monte Carlo methods. Papers in continuous simulation will also receive serious consideration if their contributions to modeling and simulation in general are substantial. For more information on TOMACS, visit <http://www.linklings.net/tomacs/> on the Web.

Member's Corner: Simulation and the IBM Business

Soumyadip Ghosh, IBM TJ Watson Research Center, Yorktown Heights, NY 10598

IBM Research is approached by groups from different divisions of this diverse company to help them with issues that arise in the course of their business. Many of these turn into very interesting research questions when seen in the abstract, while some unfortunately are hard to address. In the rest of this article, we will discuss examples of such work that will be of specific interest to the simulation community.

The many manufacturing activities IBM is involved in – large server production, semiconductor fabs, etc. – give rise to challenging mathematical problems that are often addressed in the literature only in a simplified form. Consider the IBM semiconductor processor manufacturing facilities, where the goal is to develop algorithms that automatically control these networks such that they remain stable while optimizing certain other long-run objectives. These facilities can be modeled as large stochastic networks with hundreds of servers and product families in the tens, each with their own unique route through the network. Smaller versions of such networks have been addressed in the literature but the solutions/algorithms do not scale to the complexity seen here; this aspect is indeed a common theme amongst many of the problems we are approached with. Fundamentally new approaches might be needed, and simulation-based optimal control can play a big role.

Let us shift focus to IBM's software group, where an extensive effort has been dedicated to create a product that users can model their complex business processes in. The product also provides capability to run simulations of these models. The group would like to

include capability to “optimize” parameters in these models via simulation. This need can be defined in many ways, and competing commercial simulation products usually define a framework that they then employ general-purpose meta-heuristic search techniques over. But the models that IBM's product construct have more structure underlying them (for instance, the business processes they model can be thought of as a type of project-network), and the optimization objectives and constraints are expected to be similarly structured. This strongly calls for simulation optimization techniques that are designed to fully exploit this structure to provide better results faster than meta-heuristic search.

We often work on creating mathematical models for complex IBM businesses that we would like to understand better but are inherently hard to model and analyse. Consider the case of modeling the impact of major global pandemics on the operation of a company, or the case of deciding how the hiring-and-assignment operations of a big outsourcing provider need be run to optimize, say, the year-end revenue. Models for these situations need to address difficult issues like modeling human behaviour, and even data availability is so limited that only simple models can be constructed. There is still some benefit that these models can provide. These complex systems give rise to elaborate procedures that are rigidly followed to manage them. Being able to address the question of the benefit (or restrictiveness) brought by these management approaches to the problem itself can be a big win.

John Fowler Elected INFORMS Vice-President

In the 2008 INFORMS Election, the I-Sim member John Fowler was elected to be the INFORMS Vice-President – Chapters/Fora.

Dr. John W. Fowler is a Professor in the Operations Research and Production Systems group of the Industrial Engineering Department at Arizona State University.

Prior to his current position, he was a Senior Member of Technical Staff in the Modeling, CAD, and Statistical Methods Division of SEMATECH. He received his Ph.D. in Industrial Engineering from Texas A&M University. His research interests include modeling, analysis, and control of manufacturing systems.

Nominating Committee Presents Candidates for *I-Sim* Officers and Council

Russell Barton, Chair, Nominating Committee

The *I-Sim* Nominating Committee has identified ten very well qualified candidates willing to serve our society as officers and Council members. Officers and Council members serve for two years, and are elected by the membership in the Spring. Additional information on each candidate will be provided with the ballot that you will receive next Spring. We thank these candidates for their support of *I-Sim*. The Nominating Committee welcomes additional candidates by petition of ten members or more. If you would like to offer someone by petition, please contact the Committee by February 15, 2008.

Candidates (in alphabetical order) for

VP/Pres Elect:

Peter Haas, IBM Almaden Research Center
Loo Hay Lee, National University of Singapore

Secretary:

Theresa Roeder, San Francisco State University
Hong Wan, Purdue University

Treasurer:

Bahar Biller, Carnegie Mellon University
Feng Yang, West Virginia University

Council:

Gul Gurkan, Tilburg University
Stewart Robinson, Warwick University
Natalie Steiger, University of Maine
Simon Taylor, Brunel University

Nominating Committee:

Russell Barton (rbarton@psu.edu),
Russell Cheng (r.c.h.cheng@soton.ac.uk),
Barry Nelson (nelsonb@northwestern.edu),
Leyuan Shi (leyuan@engr.wisc.edu).

Solution to the Puzzle

Raghu Pasupathy

Let us first solve a few simpler versions of the problem. Suppose, instead of ten pirates, there are only two. Let the older of these pirates be P_2 , and the younger P_1 . Since P_2 gets to propose first, and he needs 1 vote to remain on board, the solution to this two-pirate problem is easy: P_2 gets 100 and P_1 gets 0. We will write this solution as (100,0).

Now consider the three-pirate problem and name the pirates P_3 , P_2 , P_1 in decreasing order of ages. P_3 needs

two votes to survive, i.e., a vote from P_2 or P_1 in addition to his own vote. The best way to achieve this, from P_3 's standpoint, is to give P_1 exactly one gold coin, and P_2 none. P_1 will surely vote for this proposal because if P_3 gets thrown overboard, P_1 gets nothing. The solution to the three pirate problem is thus (99,0,1).

Continuing along the same lines, we note that the solution to the four-pirate problem is (99,0,1,0), and the ten-pirate problem is (96,0,1,0,1,0,1,0,1,0).

Event Calendar

Raghu Pasupathy

3rd International Conference on e-Social Science, Ann Arbor, Michigan, October 7 – 9, 2007. WWW: <http://ess.si.umich.edu/>.

IASTED Asian Conference on Modelling and Simulation, Beijing, China, October 8 – 10, 2007. WWW: <http://www.iasted.com/conferences/home-571.html>.

2007 IEEE International Conference on Data Mining (ICDM'07), Omaha, Nebraska, October 28 – 31, 2007. WWW: <http://www.ist.unomaha.edu/icdm2007/>.

The Huntsville Simulation Conference 2007, Huntsville, Alabama, October 31 – November 1, 2007. WWW: <http://www.scs.org/confernc/hsc/hsc07/hsc07.htm>.

2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI'07), Silicon Valley, USA, November 2 – 5, 2007. WWW: <http://www.cs.sjsu.edu/wi07/wi/>.

2007 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'07), Silicon Valley, California, November 2 – 5, 2007. WWW: <http://www.cs.sjsu.edu/wi07/wi/>.

INFORMS Annual Meeting 2007, Seattle, Washington, November 4 – 7, 2007. WWW: <http://meetings.informs.org/Seattle07/>.

Winter Simulation Conference 2007, Washington, D.C., December 9 – 12, 2007. WWW: <http://www.wintersim.org>

8th Asia Pacific Industrial Engineering and Management System and 2007 Chinese Institute of Industrial Engineers Conference & The 10th Asia Pacific Regional Meeting of International Foundation for Production Research, Kaohsiung, Taiwan, ROC, December 9 – 13, 2007. WWW: <http://apiems2007.yuntech.edu.tw/>.

IASTED International Conference on Web-based Education (WBE 2008), Innsbruck, Austria, March 17 – 19, 2008. WWW: <http://www.iasted.org/conferences/home-610.html>.

2008 INFORMS Conference on OR/MS Practice: Applying Science to the Art of Business, Baltimore, Maryland, April 13 – 15, 2008. WWW: <http://meetings.informs.org/Practice08/>.

Spring Simulation MultiConference 2008, Ottawa, Canada, April 14 – 17, 2008. WWW: <http://www.scs.org/Conferences.cfm#10>.

Behavior Representation in Modeling and Simulation (BRIMS) Conference, Providence, Rhode Island, April 14 – 17, 2008. WWW: <http://www.sisostds.org/>.

IIE Annual Conference and Exposition 2008, Vancouver, British Columbia, Canada, May 17 – 21, 2008. WWW: <http://www.iieannual.org/>.

2008 Summer Simulation MultiConference, Edinburgh, Scotland, June 16 – 19, 2008. WWW: <http://www.scs.org/Conferences.cfm#10>.

8th International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing (MCQMC'08), Montreal, Canada, July 6 – 11, 2008. WWW: http://www.crm.math.ca/mcqmc08/venue_e.shtml

18th Triennial Conference of the International Federation of Operational Research Societies (IFORS), Sandton, South Africa, July 13 – 18, 2008. WWW: <http://www.acitravel.co.za/event/index.php?eventID=3>.

The Second IASTED Africa Conference on Modelling and Simulation (AfricaMS 2008), September 8 – 10, 2008, Gaborone, Botswana. WWW: <http://www.iasted.org/conferences/home-603.html>.

2008 International Conference on Simulation of Semiconductor Processes and Devices (SISPAD 2008), Hakone, Japan, September 9 – 11, 2008. WWW: <http://www.sispad.org/>.



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