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College on
Simulation

INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT SCIENCES

NEWSLETTER

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President's Message

The Cincinnati INFORMS conference is soon to be upon us. The INFORMS College on Simulation (ICS) is sponsoring four sessions – all on Sunday. The ICS Business meeting will be held on Sunday night instead of the usual Tuesday night.

It is also not too late for you to plan a session for the Fall INFORMS Conference in Philadelphia. Which brings up a topic of concern - ICS participation in the annual INFORMS General Conferences under the new conference structure.

This topic is of increasing concern. Since most of us participate in the WSC conferences ICS has had limited participation in the Fall INFORMS conferences, and more participation in the Spring INFORMS conference. Now that INFORMS is moving away from Spring general conferences an issue that we must face is whether or not to make an effort to increase our participation in the Fall INFORMS conference. Of course the problem is that the Fall INFORMS conference occurs shortly before the WSC. Thus if our current pattern continues, we risk having very limited interaction with INFORMS in general.

It is highly unlikely that the WSC Board would choose to move the dates of the WSC (and other sponsoring societies have already expressed a strong preference in keeping the WSC in early December), so I would like to discuss some possible options during the Cincinnati ICS Business meeting.

If we participate in both the WSC and the Fall INFORMS conferences I doubt that we would want to simply replicate our INFORMS presentations at the WSC. Perhaps we could choose to specialize the type of sessions that we sponsor at INFORMS Fall general conferences, or perhaps have a limited theme for those conferences, or showcase our graduate students' work at the Fall general INFORMS conferences.... In any event, I hope that you give this matter some thought before the Cincinnati conference so that we can come up with a reasonable approach to this problem.

INFORMS will indeed have a Spring Conference in 2000 in Salt Lake City. The current INFORMS plans call for a "practitioner-oriented" Spring INFORMS meeting. We should also discuss how we would like to structure our participation in those meetings.

As you will read elsewhere in this Newsletter, the ICS History and Archive Projects are proceeding (see page 3 – ed.). If you have a contribution to make to these projects please contact the appropriate Project Team members.

I look forward to seeing you in Cincinnati.

Michael R. Taaffe, President
INFORMS College on Simulation

Contents

Editor's Corner

Its seems that with the coming of Spring there are always many announcements of upcoming conferences. You are likely to find something of interest in the opportunities listed in this issue.

Please read the articles on Julian Reitman, the first winner of the *INFORMS College on Simulation Lifetime Professional Achievement Award,* and David Kelton, winner of the *Distinguished Service Award.* Their stories provide inspiration and perspective to those of us who have come recently to the field of discrete-event simulation. And if you think that I am repeating information on awards, you are mistaken! This is the second issue in a row with a publication award for Michael Fu, this time with co-author Jian-Qiang Hu. Congratulations, Michael and Jian-Qiang.

My tenure as Newsletter Editor reaches the halfway point (already!) with this issue. I depend of course, on the able assistance of all of the College officers, and particularly Associate Newsletter Editor, Steve Chick. I also depend on the assistance of many of you, who have or will make submissions to the *Newsletter.*

Are you thinking about making a submission? Don't be shy! We welcome your contributions for the *Newsletter.* Send us news about you or your friends, about conferences, new books, or new simulation tools. We are particularly interested in feature articles, so if you have a special application, a research program or a teaching strategy that you would like to talk about, send it to us please.

Russell Barton

See the INFORMS College on Simulation World Wide Web Page.
Its URL is

http://www.isye.gatech.edu/informs-sim

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. The main page headings include *College Information, College Newsletter, Conferences and Workshops, and Simulation Information and Links.* There are often additional special items, such as *WSC'99* and upcoming INFORMS conferences. The WWW address for *WSC'99* is http://www.wintersim.org/

INFORMS College on Simulation Treasurer's Report

Net Worth
11 November 1998

ASSETS	
Cash and Bank Accounts	
INFORMS Account*	6026.88
INFORMS-CS Checking	9284.22
TOTAL Cash and Bank Accounts	15311.10
TOTAL ASSETS	15311.10
LIABILITIES	0.00
NET WORTH	15311.10

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 Mercantile Bank; P.O. Box 419147; Kansas City, MO 6414106147.

Respectfully submitted by Susan M. Sanchez, Secretary/Treasurer, 1 April 1999.

1999 Year-to-Date Cash Flow report
1 April 1999

INFLOWS	
Dues income	1426.00
Interest Income*	28.33
WSC Seed Return	2000.00
TOTAL INFLOWS	3454.33
OUTFLOWS	
Award Plaques	164.30
CD-Roms of WSC'98	75.00
CUMW Awards	1492.75
Lifetime Achievement Award	314.07
Outstanding Service Award	511.00
Ph.D. Colloquia Awards	320.00
Snacks	300.00
Web Address Registration	70.00
WSC'99 Seed Money	2000.00
TOTAL OUTFLOWS	5247.12
OVERALL TOTAL	-1792.79

* does not include Jan-Mar interest on account held at INFORMS office

Report on the INFORMS College on Simulation Business Meeting, Winter Simulation Conference, 1998

Michael R. Taaffe, President, presiding

MINUTES: The meeting was called to order by President Michael Taaffe, who welcomed the capacity crowd of members and guests. The meeting went "high-tech" with the use of power point slides for the agenda and several of the reports.

REPORTS: Mike Taaffe referred those in attendance to the minutes of the INFORMS/CS Business Meetings from INFORMS-Seattle and INFORMS-Montreal, which are available from the INFORMS/CS web pages. He also announced the fall election results for the ICS officers: President, Michael Taaffe (University of Minnesota), Vice-President/President-Elect, John Charnes (University of Kansas), and Secretary/Treasurer, Susan Sanchez (University of Missouri-St. Louis).

David Goldsman reported on the new Lifetime Professional Achievement Award, won by Julian Reitman. Julian shared some reminiscences about the early days of simulation with the attendees. Tom Schriber reported on the Distinguished Service Award, won by David Kelton. Sheldon Jacobson reported on the Outstanding Publication Award, which was won by Michael Fu and Jian-Qiang Hu. All award winners were roundly applauded for their contributions to the profession. Details of their accomplishments are found elsewhere in this newsletter.

Harriet Black Nembhard recognized this year's faculty and student winners of Sponsorship Awards from the Committee on Women and Underrepresented Minorities. Several of the awardees were present at the business meeting.

John Charnes summarized the INFORMS/CS clusters at the upcoming INFORMS conferences. INFORMS/CS has a relatively small presence at these conferences, and all those interested in presenting papers or chairing sessions are strongly encouraged to contact him as soon as possible. There is still room for talks in the Simulation track at the INFORMS Fall 1999 meeting in Philadelphia.

Susan Sanchez gave the Treasurer's report. An updated version is available in this newsletter. The INFORMS/CS remains solvent with a healthy balance in both the account held at INFORMS and in the INFORMS/CS checking account.

Jim Wilson recognized the INFORMS/CS Web Team: the Web Editor Felisa J. Vasquez-Abad, Consulting Web Editors David Goldsman and James R. Wilson, and Webmaster Peter Welch.

John Carson reported that WSC'98 was a success, with a record number of attendees. Marvin Nakayama reported that the Ph.D. colloquium continues to be a vibrant part of the program. A warm round of applause was given for all those volunteers who worked so hard to make the conference run smoothly, particularly those on the program committee, arrangements committee, and the proceedings editors. Dave Sturrock gave a call for papers/participation for WSC '99, which will be held in Phoenix, Arizona.

Bruce Schmeiser reported that things were moving along slowly but smoothly toward changing the College on Simulation into an INFORMS Society rather than an INFORMS Section.

The Simulation History and Archive projects at North Carolina State University were described. Dick Nance and Bob Sargent are co-chairs of the History Project, and Jim Wilson has been instrumental in getting space within the NCSU library for housing the archives. Of interest are letters, memoranda, publications, and memorabilia of all kinds that are relevant to the history of the field of computer simulation, including the history of related professional societies.

The issue of the WSC's timing arose, in context of the changing format of the INFORMS general meetings toward one annual meeting in late fall instead of two meetings in late fall and late spring. Some expressed a preference for the WSC conference to be held in January, rather than December, but representatives from the WSC board stated that it was highly unlikely that the conference time would be changed. Several other societies represented on the WSC Board find this a convenient time, and it is also more financially viable.

Jim Wilson reported on the format of the WSC Proceedings. This year, the proceedings were published in two softcover volumes and on a CD-ROM. The cost of producing these two formats is becoming prohibitive, particularly if the proceedings editors must make sure that the two formats are identical in terms of page numbering, etc., for referential purposes. A WSC list-serv has been established for the purpose of discussing this and other issues affecting the WSC community. You can join this list from the INFORMS/CS web page.

New members of INFORMS/CS were welcomed, and the meeting was adjourned.

Respectfully submitted by Susan M. Sanchez, Secretary/Treasurer.

ATTENDEES: Sigrun Andradottir, Ana Ivelisse Aviles, Russell Barton, Neal Bengtson, Justin Boesel,John Carson, John Charnes, Chun-Hung Chen, Steve Chick, Huifen Chen, Russell Cheng, Ann Dunkin, Mike Freimer, Dave Goldsman, Don Gross, Gul Gurkan, Dean Hartley, Shane Henderson, Ann Henriksen, Ray Hill, Peter Hoffer, Paul Hyden, Sheldon H. Jacobson, Jeff Joines, Keebom Kang, David Kelton, Michael Kuhl, John D. Lamb, Pierre L'Ecuyer, J.O. Miller, Douglas Morrice, Ed Mykytka, Marvin Nakayama, Barry L. Nelson, Harriet Black Nembhard, Siggi Olafsson, Mike Pidd, Chuck Reilly, Teetee Roberts, Ralph V. Rogers, Jorge Romeu, Manuel D. Rossetti, Paul Sanchez, Susan Sanchez, Robert G. Sargent, Thomas J. Schriber, Jonathon Shi, Leyuan Shi, Perwez Shahabuddin, Bob Shannon, Bruce Schmeiser, Lee Schruben, Jane Snowdon, Ingolf Stahl, Kevin Stamber, Jim Swain, Mike Taaffe, Gikiri Thuo, Felisa Vazquez-Abad, Chuck White, Pres White, Jim Wilson, Enver Yucesan, Fan Zhang,.

Julian Reitman Receives Lifetime Professional Achievement Award

First-Ever LPAA Award was Presented at WSC'98

The INFORMS College on Simulation is pleased to recognize Julian Reitman with its first Lifetime Professional Achievement Award (LPAA). The award was presented during the opening ceremonies of the 1998 Winter Simulation Conference, in Washington, DC. The Selection Committee consisted of Steve Roberts, David Goldsman, and Gordon Clark. The LPAA award, given at most once a year, was established "to recognize major contributions to the field of simulation that are sustained over most of a professional career." Certainly Julian Reitman epitomizes that ideal. His active career in simulation has covered more than forty years, virtually spanning the history of modern computer simulation.

Julian Reitman was on the frontier of simulation application and he pioneered many simulation developments. He has generally been regarded as one of the "true" founders of the simulation community as we know it. Almost from the beginning of his career in the late 1940s, Julian was thrust into the world of electronic analog computing and modeling. He was fortunate to make an early transition into the digital world in the 1950s, being asked to create computer and communications systems for airline reservations. This assignment permitted him the opportunity to work directly with complex systems of people and technology.

As with so much of the history of mankind, it is how we handle the confrontation with real problems that is the ultimate test of our character. In Julian's case, out of a frustration with limited analysis tools, he "discovered" computer simulation. In fact, it was probably Julian's prodding that caused IBM to make public GPSS, its internal simulation language, public. Julian was one of the first, and one of the few, to recognize the value of a "high-level" modeling approach to solving complex systems problems. In the 1960s, he was the leader of one of the first simulation application groups in industry -- at the Norden Division of United Aircraft Corporation.

Throughout the 1960s and into the 1970s, Julian and his team at Norden had a number of remarkable accomplishments. They created many simulation models of real systems: naval vessel performance, anti-submarine warfare, effectiveness of airborne radar, railed automated highways, air traffic control, message switching in communications, yield predication for integrated circuit production, and countless others. Activities were carried out throughout the world. Many of this models were the first such simulation applications and they promoted the tool in a number of ways.

Julian Reitman (right) receives the Lifetime Professional Achievement Award at WSC'98 from Stephen D. Roberts.

Fu and Hu Receive 1998 Outstanding Publication Award from the INFORMS College on Simulation

The INFORMS College on Simulation presented its 1998 Outstanding Simulation Publication Award to Professor Michael Fu of the University of Maryland and Professor Jian-Qiang Hu of Boston University, for their recent book entitled *Conditional Monte Carlo: Gradient Estimation and Optimization Applications*, published by Kluwer Academic Press. The presentation took place during the Opening Session of the 1998 Winter Simulation Conference in Washington, DC.

The Award is intended to "recognize outstanding contributions to the simulation literature." Journal articles, proceedings articles, books, and monographs copyrighted in 1994, 1995, 1996, and 1997 were eligible for the 1998 award. The award selection committee consisted of George Fishman (University of North Carolina at Chapel Hill), Peter Glynn (Stanford University), and Sheldon Jacobson (Chairman, Virginia Polytechnic Institute and State University).

Professors Fu and Hu's book provides a state-of-the-art comprehensive monograph on gradient estimation with perturbation analysis techniques using conditional expectations. While accessible to both newcomers and veterans in this field of research, the book presents a unified framework for this important area of research, hence will serve as an indispensable reference for both researchers and practitioners, for many years to come.

(*Submitted by Sheldon Jacobson*)

Reitman Award (cont.)

While breaking new ground in simulation applications, Julian became a leading proponent for extensions and enhancements to GPSS that incorporated user features that foretold the future of simulation. Three deserve special mention; (1) memory-management facilities to execute models whose size exceeded physical memory, (2) interactive control of executing simulations with real-time debugging that allowed revision of model logic and data, and (3) animation of executing simulation models and the graphical display of simulation output. Remarkable accomplishments considering that it was 1970!

It would have been easy for Julian to limit his attention to the success of his team and his company, but that is clearly not in his nature. Julian believed that he had an obligation to the profession and to society. In the mid-1960s Julian played a leading role in the establishment of the IEEE Systems, Man, and Cybernetics Group, where he served as chair, was on the administrative committee, was on the Editorial Board of IEEE Press, and an associate editor of two IEEE journals. Julian was named a Senior Life Member in recognition of his service to IEEE.

Julian was one of the founders of the Winter Simulation Conference, first serving as the program chair for the WSC predecessor that was held in 1967. That conference arose out of Julian's concern that simulation applications have an outlet. Julian served as General Chair of the first WSC in 1968, published a proceedings, and established much of the structure and tradition of what we see in today's conference. Julian served in active leadership of the WSC and in 1976 was one of the founding members of the WSC Board, serving until 1985. He has been the longest serving board member representing any society.

Julian was also one of the pioneers in the establishment of the simulation literature. He published the first article on simulation to appear in the IEEE general-interest publication in 1974 and numerous articles since then in other journals. He won the best paper award at the Fifth Annual Simulation Symposium in 1972. As an outgrowth of his teaching courses in universities, in plants and locations throughout the world, he ultimately in 1971 wrote one of the first simulation textbooks, destined to be a classic, entitled *Computer Simulation Applications: Discrete Event Simulation for Synthesis and Analysis of Complex Systems.*

Julian's service to the simulation community continued through the 1980s and into the 1990s. Today he remains active in "retirement" by teaching and documenting the history of science and technology. Julian is quick to remind us all that while there has been considerable advances in the technology of simulation, predictions of performance are often inadequately understood and observed. They are inextricably tied to the human element and that understanding the role of people remains a significant area for future development.

Julian Reitman was among the first, if not the most prominent, to champion the application of simulation, and this focus on simulation application has been his lifelong passion. Julian's professional contributions to the field of simulation, especially in the application of simulation, are striking not only for their impact on the field, but also for the remarkably long period over which that impact has been sustained.

(*Submitted by Steve Roberts*)

(Ed: Don't forget the deadline for nominations for 1999 is June 15. Contact Dave Goldsman or see the Fall 98 *Newsletter* for details.

David Kelton Receives Distinguished Service Award

Professor W. David Kelton of the University of Cincinnati recently received the 1998 Distinguished Service Award from the INFORMS College on Simulation for his outstanding contributions to the College, to the Winter Simulation Conference (WSC), and to the international simulation community over a period dating back to 1980. The presentation took place during the Opening Session of the 1998 Winter Simulation Conference in Washington, DC. The Distinguished Service Award, designed to recognize each year at most one individual who has provided "long-standing, exceptional service to the simulation community … acquitted with distinction," was first awarded in 1986. The 1998 selection committee, chaired by Thomas J. Schriber (The University of Michigan), with members James R. Wilson (North Carolina State University) and Bruce W. Schmeiser (Purdue University).

David Kelton has played a set of major roles in the Winter Simulation Conference series dating back to 1986 and continuing to this day. He was Associate Program Chair of WSC '86 and then was Program Chair of WSC '87. He was Associate General Chair of WSC '90, and he was General Chair of WSC '91. Starting in 1991, David has also served on the WSC Board of Directors representing first the Operations Research Society of America (ORSA) and then INFORMS-CS, serving as Board Secretary in 1996, Board Vice Chair in 1997, and Board Chair in 1998. He is currently board co-liaison for WSC '99. Furthermore, dating back to 1981, David has been a WSC author and speaker over twenty times.

Professor Kelton has also been very active in the INFORMS-College on Simulation. He served the College in the following positions: Coeditor of the College *Newsletter* (1981-84); Secretary-Treasurer (1986-88); Vice-President (1988-90); and President (1990-92). He has additionally organized sessions and chaired tracks at more than a dozen ORSA (later INFORMS) national meetings, dating back to 1981.

David Kelton (right) receiving the DSA from Thomas J. Schreiber

In addition to his work on behalf of WSC and the College, Professor Kelton has provided very substantial service to the broader simulation community in a series of editorial posts over many years. He has been Associate Editor of the following journals: *ORSA Journal on Computing* (1989); *IIE Transactions* (1986-93); *SIMULATION* (1995-98); *Journal of Manufacturing Systems* (1995-98); and *Operations Research* (1988-98). He has also served as Guest Editor for a special issue of *IIE Transactions* (1997); Simulation Department Coeditor for *IIE Transactions* (1994-98); Simulation Area Editor for the *INFORMS Journal on Computing* (1990-98); and Simulation Area Editor for *Operations Research* (1998-present). In addition to these numerous editorial responsibilities, he has also refereed and reviewed several hundred papers for several dozen journals and conferences.

Quite apart from his editorial activities, which are services that support the verification and dissemination of quality research being conducted by other simulation professionals, David Kelton has himself also made significant research contributions. He has authored or co-authored some two dozen research articles published in archival journals, and in 1982 he received the INFORMS-CS Outstanding Simulation Publication Award.

David Kelton is also co-author of a landmark simulation textbook, *Simulation Modeling and Analysis* (first edition 1982; second edition 1991), which is in widespread use around the world and has been referenced in over 500 refereed-journal research papers to date. In this co-authoring capacity, Professor Kelton has helped perform a major service in providing for the education both of current and of beginning simulation professionals. He is also more recently a co-author of another book, *Simulation with Arena* (1998).

Members of the simulation community owe David Kelton a tremendous vote of thanks for all he has done to promote the state and well being of our community. The selection committee is most proud to present to David Kelton the 1998 Distinguished Service Award of the INFORMS-College on Simulation.

(Submitted by Tom Schreiber)

WSC'99 in Phoenix

It is not too early to start your planning for the 1999 Winter Simulation Conference will travel west to Phoenix, Arizona. The conference will be held December 5-8 at the Pointe Hilton at Squaw Peak. For additional information on WSC '99, see the Fall '98 *Newsletter* or contact Dave Sturrock, the WSC '99 general chair (Systems Modeling Corp.; 504 Beaver Street; Sewickley, PA 15090, U.S.A.; Tel: +1-412-741-3727; Fax: +1-412-741-5635; e-mail: DSturrock@sm.com), or Jerry Evans, the WSC '99 program chair (Univ. of Louisville; Dept. of Industrial Engineering; Louisville, KY 40292, U.S.A.; Tel: +1-502-852-0143; Fax: +1-502-852-5633; e-mail: gwevan01@ulkyv worldwide. Or see the web page: http://www.wintersim.org/

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Call for Papers: IIE Special Issue in Honor of Alan Pritsker

Scheduled to appear in September 2000 is a special issue of the *IIE Transactions on Operations Engineering*, that will focus on simulation and related areas of research and applications in industrial engineering. This special issue will honor Alan Pritsker, one of the founders of the field of discrete-event and combined discrete-continuous simulation, on the occasion of his retirement. We encourage submission of papers on all aspects of simulation and related areas in industrial engineering research, including (but not limited to) theory, methodology, modeling, software systems, novel or instructive applications, and surveys. All submissions should include 5 copies of a one-page description of "why this paper is important" in addressing the issues outlined above. The format of all submissions should exactly follow the specifications described in the "Instructions for Authors" on the back of each issue of the *IIE Transactions*; or check the following address for instructions: http://www.wkap.nl/journalhome.htm/0740-817X. Please submit five copies of the paper as soon as possible, but no later than May 15, 1999 to either of the Guest Editors for this special issue:

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Workshop on Mathematical Finance

A workshop on mathematical finance will be held at the Ecole des Hautes Etudes Commerciales (HEC) of Universite of Montreal, May 14, 1999. The aim of this workshop is to bring together researchers and practitioners interested in the theoretical and applied aspects mathematical finance. It will offer an occasion to exchange ideas on recent developments in this area. The workshop will be held immediately after the Optimization Days, an international event which also takes places at HEC, May 10-12. The main themes of the workshop are risk management and valuation of derivative products. Aspects of interest include mathematical modeling, statistical estimation, optimization, numerical methods, simulation, and applications. Phelim Boyle and Paul Glasserman will give one-hour lectures at the workshop. Dr. Boyle holds the J. Page R. Wadsworth Chair in Finance, and is director of the Centre for Advanced Studies in Finance at the University of Waterloo. His research interests include financial economics, insurance, and actuarial science, with a strong tendancy towards computational aspects. He is Editor for the Finance Department of *Management Science* and Associate Editor for 10 other journals related to mathematical finance. Dr. Glasserman is a professor at the Columbia University Graduate School of Business, where he chairs the Management Science division. He works in the areas of applied probability, simulation, and mathematical and computational finance. He is a recipient of several government and industry grants for research in these areas. He currently serves as Editor for the Stochastic Models and Simulation department of *Management Science*, and as Associate Editor for the *Journal of Computational Finance.*

ORGANIZERS:

Genevieve Gauthier, Ecole des H.E.C., Montreal
   http://www.hec.ca/prof/Genevieve.Gauthier.html

Pierre L'Ecuyer, University of Montreal
   http://www.iro.umontreal.ca/~lecuyer

Report on the Simulation Area for *Operations Research*

By David Kelton, Area Editor

The Simulation Area of *Operations Research* seeks papers that make a lasting contribution to the theory and practice of stochastic simulation on digital computers.

Associate Editors for the Area are Michael Fu (University of Maryland), Peter Haas (IBM Research), Susan Sanchez (University of Missouri-St. Louis), and Michael Taaffe (University of Minnesota).

Since my last report, on November 8, 1998, there has been one new submission, one rejection, and one paper transferred to another Area. Thus, there are now five papers in various stages of the reviewing and revision process.

For a complete statement of the editorial policy, as well as detailed submission information, please see:

http://opim.wharton.upenn.edu/~harker/Pages/edit_area.html#Simulation

or contact:

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

By Paul Glasserman, Departmental Editor

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.

Starting from the creation of the merged department of Stochastic Models and Simulation in June, we received a total of 15 papers in 1998, of which 1 was withdrawn shortly after receipt, 1 was forwarded to another division, 5 were rejected and the rest are under review. We have thus far received 4 new submissions in 1999.

The Associate Editors for the Department are:
Thanos Avramidis (Cornell University), Jim Dai (Georgia Tech), Michael Fu (University of Maryland), Perwez Shahabuddin (Columbia University), Jan Van Miegham (Northwestern University), Garrett Van Ryzin (Columbia University).

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Report on the Simulation Area of the *INFORMS Journal on Computing*

By Michael Taaffe, Area Editor

Since the last report to the INFORMS/CS *Newsletter* (November 1998) two new papers have been submitted, none have been accepted or rejected yet. Currently there are ten papers in various stages of the reviewing and revision process.

The Area Policy statement (in LaTeX input format) is in the file area policy.tex and may be obtained by anonymous ftp to econqa.cba.uc.edu (cd pub/keltond/joc), or via the web to ftp://econqa.cba.uc.edu/pub/keltond/joc/areapolicy.tex.

The Area Editor is Michael R. Taaffe. The Associate Editor for the Simulation area is Paul Fishwick (University of Florida, fishwick@cise.ufl.edu).

Retirement Workshop for George Lea

A workshop in honor of the recent retirement of George K. Lea from the National Science Foundation will be held at NSF headquarters in Arlington, VA (metropolitan Washington) on June 17 and 18, 1999.

Computational Science & Engineering (CS&E) is now widely accepted as a third modality for scientific investigation and engineering design, along with theory and experiment. It is easy to forget that it was difficult to find institutionalized support for research in CS&E until relatively recently. George Lea's program in Computational Engineering at the National Science Foundation has long been an exception, and upon his retirement from the NSF it is both appropriate and timely to take retrospective and prospective looks at the landscape of CS&E. George has not only helped to define and promote the interdisciplinary content of CS&E; he has also galvanized many interdisciplinary and inter-institutional collaborations through his introductions of CS&E researchers to each other at national conferences and at technical gatherings of his own PIs.

Current and former PIs, colleagues, and friends of George and all who are interested in tracing the past, present, and future of Computational Engineering are therefore invited to a full day of technical presentations and two surrounding evenings of social events at the workshop.

Details of the workshop are available at http://www.icase.edu/~keyes/gkl.

James R. Wilson Establishes Simulation Archive

A Simulation Archive has been established at North Carolina State University. On behalf of the INFORMS-College on Simulation, Jim formally inaugurated this archive by contributing to it a copy of the Final Program of the 1967 Conference on Applications of the General Purpose Simulation System (GPSS). When he served as Program Chair of the Twenty-Fifth Anniversary Winter Simulation Conference (WSC) in 1992, this document was given to him by Harold Hixson, the General Chair of the 1967 predecessor of WSC.

Among the contributions that could be made to this collection, the Archivist seeks letters, memoranda, publications, and memorabilia of all kinds that are relevant to the history of the field of computer simulation, including the history of related professional societies. We expect substantial contributions to the Simulation Archive in the near future, and we hope that this collection will become an important resource for individuals interested in the history of simulation technology.

Contributions may be sent to: Russell S. Koonts
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North Carolina State University Libraries, Campus Box 7111
Raleigh, NC 27695-7111
Telephone: 919-515-2273
Fax: 919-515-3628
E-mail: russell_koonts@ncsu.edu

For future developments concerning the Simulation Archive, interested readers should visit the INFORMS-CS home page (see page 2).

INFORMS Fall 1999 Meeting, Philadelphia

The INFORMS Fall 1999 Meeting will be held in Philadelphia November 7-10. Philadelphia offers many attractions, including the Philadelphia, Rodin, and Barnes Museums of Art, the Franklin Institute, the waterfront and the Camden Aquarium, and Independence Hall. To organize a session, or to indicate your interest in giving a talk at the conference, simply fill out and submit the form located at

http://www.isye.gatech.edu/informs-sim/formreq.html

or contact Chun-Hung Chen, Simulation Cluster Chair, or John Charnes, College Vice President:

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INFORMS College on Simulation E-mail Directory

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Event Calendar

By Steven Chick, Associate Newsletter Editor, March 26, 1999

SIGMETRICS '99: 1999 ACM SIGMETRICS Conference on the Measurement and Modeling of Computer Systems, Atlanta Hilton and Towers Hotel, Atlanta Georgia, May 1-4, 1999. Contact Carey Williamson, University of Saskatchewan (carey@cs.usask.ca). WWW page: http://www.cs.usask.ca/faculty/carey/sigmetrics99/

PADS '99: 1999 Workshop on Parallel and Distributed Simulation, Atlanta Hilton and Towers Hotel, Atlanta Georgia, May 1-4, 1999. Same time/location as SIGMETRICS '99.Contact pads99@dcs.exeter.ac.uk WWW page: http://www.dcs.ex.ac.uk/~pads99/

INFORMS Spring 1999. Cincinnati, Ohio, May 2-5, 1999. General Chair: David F. Rogers, Phone: 513-556-7143 FAX: 513-556-5499 E-mail : David.Rogers@UC.edu WWW page: http://www.cba.uc.edu/dept/qa/cinforms/

IASTED International Conference on Modelling and Simulation, May 5-8, 1999. Philadelphia, Pennsylvania. IASTED Secretariat. Telephone: 1-800-995-2161; Email: calgary@iasted.com. WWW page: http://www.iasted.com /conferences/1999/philadelphia/ms.htm

Industrial Engineering Research Conference '99, Phoenix, Arizona, May 23-24, 1999. Contact G. Don Taylor, Ph.D., P.E. or Eric M. Malstrom, Ph.D., P.E. IERC8 Program Co-Chairs E-mail: gdt-ierc99@engr.uark.edu Fax: 501-575-8431 WWW page: http://www.iienet.org/

Industrial Engineering Solutions '99 Conference, Phoenix, Arizona, May 23-26, 1999. Held in conjunction with Industrial Engineering Research Conference. WWW page: http://www.iienet.org/

1999 SIAM Annual Meeting (AN99), Sheraton Spirit of Atlanta Hotel, Atlanta, GAMay 12-15. E-mail: meetings@siam.org WWW page: http://www.siam.org/meetings/an99/

ESM'99: European Simulation Multiconference, Warsaw, Poland. June 1-4, 1999. Contact U. Behrend, E-mail: sek-ra@informatik.uni-bremen.de, or program chair Prof. Marek Niezgodka, ICM, Warsaw University Poland Email: marekn@icm.edu.pl WWW page: http://hobbes.rug.ac.be/~scs/conf/esm99/

9th International Conference on Flexible Automation Intelligent Manufacturing (FAIM'99), Center for Economics Research (CentER), Faculty of Economics and Business Administration, Tilburg, The Netherlands, June 23 - 25, 1999. Contact Mrs. Petra Van der Ham. E-mail: P.H.M.vdrHam@kub.nl. WWW page: http://cwis.kub.nl/~few5/center/faim99/

PDPTA'99 Int. Conf. on Parallel and Distributed Processing Techniques and Applications Las Vegas Contact: Hamid R. Arabnia, The University of Georgia, Dept. of Computer Science, Tel.: (706) 542-3480, Email: hra@cs.uga.edu, WWW: http://www.cps.udayton.edu/~pan/pdpta/

1999 Summer Computer Simulation Conference (SCSC '99). Chicago, IL. July 11-15, 1999. E-mail: sbranch@scs.org. WWW page: http://www.scs.org/confernc/scsc99/scsc99cfp.html

MAM3 : The Third International Conference on Matrix-Analytic Methods in Stochastic Models, Leuven, Belgium, July 12--14, 2000. WWW page: http://www.econ.kuleuven.ac.be/MAM3

19th IFIP TC7 Conference On System Modelling and Optimization. Cambridge, UK. July 12 - 16, 1999. E-mail: tc7con@damtp.cam.ac.uk WWW page: http://www.damtp.cam.ac.uk/user/na/tc7con/

Summer School on Sensitivity Analysis of Model Output, Venice, Venice International University at San Servolo, July 25-30, 1999 Contact Fosca Criscuolo, Secretary to the Organising Committee, Joint Research Centre - European Commission. Tel: +39 (0)332 785476 Fax: +39 (0)332 785733 email: segreteria.uasa@jrc.it WWW page: http://www.jrc.org□/isis/sa/activities/summer_school/index.asp#top

MOSIM '99: The Second French Conference on Modelling and Simulation. Annecy, France. October 6-8, 1999. Contact , E-mail: mosim99@esia.univ-savoie.fr WWW page: http://www.univ-savoie.fr/mosim99/

ESS '99 11th European Simulation Symposium and Exhibition / Simulation in Industry Erlangen-Nuremberg, Germany. October 24 - 27. Contact: Philippe Geril, SCS European Simulation Office, Tel.: +32-9 233 77 90, Email: Philippe.Geril@rug.ac.be, WWW page: http://hobbes.rug.ac.be/~scs

P N P M ' 99, 8th International Workshop on Petri Nets and Performance Models, Centro Politécnico Superior, Universidad de Zaragoza, Zaragoza, Spain, September 6-10, 1999. Web page: http://www4.cs.uni-dortmund.de/pnpm99/pnpm_title.html

MASCOTS '99, Seventh International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems, University of Maryland, October 24-27, 1999. WWW page: http://www.ani.univie.ac.at/~mascots99

Third International Workshop on Distributed Interactive Simulation and Real Time Applications, University of Maryland, October 22-23, 1999. In conjunction with MASCOTS'99. WWW page: http://www.cs.unt.edu/boukerch/wdis99 or contact Richard Fujimoto: fujimoto@cc.gatech.edu.

INFORMS Philadelphia, PA, November 7-10, 1999.

1999 Winter Simulation Conference (WSC'99). Pointe Hilton at Squaw Peak. Phoenix, Arizona. December 5--8, 1999. Contact Dave Sturrock, Systems Modeling Corp.; Phone: +1-412-741-3727, e-mail: dsturrock@sm.com, or Jerry Evans, Univ. of Louisville, Phone: +1-502-852-0143; e-mail: gwevan01@ulkyvm.louisville.edu. WWW page: http://www.wintersim.org/wsc99.htm.

INFORMS-KORMS, Seoul, Korea, June 19-21, 2000. Contact Naren Agrawal, Program Chair, Santa Clara University; Phone: 408-554-4165, Fax: 408-554-5157, E-mail: nagrawal@lsb.scu.edu.

INFORMS Cincinnati: May 2-5, 1999

Increase your visibility and networking opportunities by experiencing "Delivering to the Global Consumer," INFORMS Spring National Meeting, to be held in Cincinnati on May 2-5, 1999. See us on the web at http://www.informs.org/Conf/Cincinnati99/. Take advantage of special expanded program offerings made possible by the generous support of Procter & Gamble. Benefit from finding out what others in your field are doing. Keep abreast of the latest trends and obtain practical advice and tips for use in your job. Access employers. You may register directly on the web, or obtain the necessary forms by contacting INFORMS at 800-343-0062 or 401-274-2525, fax 401-274-3189, email meetings@informs.org. The preliminary program, meeting registration and hotel reservation information are available on-line at http://www.informs.org/Conf/Cincinnati99/. While there won't be a preliminary meeting program mailed with *OR/MS Today*, a printed final program with 1500+ abstracts will be distributed at the conference. The Cincinnati meeting has many interesting sessions for simulationists; a selection is listed below:

SA05 Efficiency of Simulations	MA05 Simulation I
SB05 Simulation Output Analysis	MA08 Manufacturing Simulation Applications
SB27 Queues: Theoretical & Applied Approaches	MC05 Simulation II
SC05 Selection Procedures in Simulation	MC09 Java-Based Simulation Modeling
ST05 Tutorial: Trends & Topics in Process Modeling & Simulation	MC11 Ground Attrition Modeling: Practice

- Tom Magnanti, President, INFORMS

REMEMBER – College Business Meeting in Cincinnati: 6:15pm-7:15pm, Room 204, Convention Center.

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James Wilson

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