

INFORMATION SYSTEMS & OPERATIONS MANAGEMENT FORUM

Department of Information Systems & Operations Management
Warrington College of Business Administration
University of Florida
Gainesville, FL 32611-7169

April 2008

Proposal to Join the Information Systems & Operations Management Forum

The Department of Information Systems & Operations Management (ISOM) at the University of Florida has established the ISOM Forum to bring together industry executives, ISOM faculty, and ISOM students to facilitate curriculum development, continuing education and research needs of all these groups. The ISOM faculty invites _____ to join this Forum. The annual dues of **\$8000.00** are required to become a member of the Forum.

The primary purposes of the ISOM Forum are: (1) to provide a cooperative exchange of ideas; (2) to provide continuing education to Forum members, ISOM faculty, and ISOM students; (3) to solve substantive business problems through research and consulting partnerships; and (4) to continue the development of our curricula to best prepare students for their business careers.

Benefits to Member Companies

Continuing Education: Forum business and faculty members benefit from yearly presentations by experts in areas of interest to the Forum. In addition, Forum members define areas of interest which help motivate the development of research workshops, seminars and executive training programs to meet their on-going educational needs.

Consulting and Research Opportunities: ISOM Forum members have direct access to ISOM faculty researchers and to the results of the research community at large. Specific problems of significance could be solved by faculty or graduate students in ISOM on a case-by-case basis. This can often take place in the form of undergraduate or graduate class projects, and/or Ph. D. dissertations.

Access to College or University Personnel: The ISOM department acts as a primary contact point with the Warrington College of Business and the University of Florida for all Forum members.

Annual conferences: The ISOM Forum sponsors one meeting per year for the ISOM Forum members. Industry executives, ISOM faculty, and students meet to review progress towards goals, plan new programs, and give input into curriculum and related topics.

Curriculum: The types of problems that face businesses, and the analytical tools necessary to solve those problems, are continuously evolving. Some tools are evolving rapidly in academia, while others are forged in the commercial world. The Forum is an ideal place to focus awareness on these changes. Members of the ISOM Forum can have a direct influence on the subjects and analytical skills that will be taught in the classroom and through this mechanism corporate needs can be translated into course content.

Advisory Board Member

It is critical that _____ nominate an Advisory Board member who is in a position of commensurate responsibility in the corporation. As a guideline, Board members from other corporations have been the CEO/President, the Chief Information Officer (CIO), the VP of Operations, the Head of Strategic Planning, or the Head of a major technological group.

Funding for Forum Activities

To secure adequate funding, each corporate sponsor is asked to make a two-year (minimum) financial commitment to support the activities of the ISOM Forum.

Department of Information Systems & Operations Management (ISOM)

The ISOM faculty currently consists of sixteen faculty members. A bio-sketch of each faculty member is provided in Exhibit 1.

The emphasis in the ISOM department, the Warrington College of Business, and the University of Florida is on achieving high standards in teaching, research, and service. Students benefit from this emphasis by being exposed to cutting-edge research and ideas, as well as the ability to network with people responsible for these advances.

Procedure for Joining the ISOM Forum

If _____ would like to join the ISOM Forum, the membership dues of \$ 8,000 should be made payable to the University of Florida Foundation, Inc. (UFF), the University's tax exempt 501(c)(3) organization. The payment should be designated for Decision and Information Sciences, account number 3457. Once funded, the program as outlined will be directed by the Chairperson of the Department of Information Systems and Operations Management in the Warrington College of Business Administration at the University of Florida.

Exhibit 1
Department of Information Systems & Operations Management
Warrington College of Business Administration
University of Florida
Department Faculty

Anurag Agarwal

<http://bear.cba.ufl.edu/agarwal/>

Anurag Agarwal is an Assistant Professor in the department of Information Systems & Operations Management. He has a Ph.D. from The Ohio State University. His research interests are in optimization using machine learning approaches, scheduling, data mining, abductive networks. His teaching interests are in system analysis and design, databases, knowledge-based systems, object-oriented programming languages, and decision support systems. He has published in the *European Journal of Operational Research*; *INFORMS Journal of Computing*; *Intelligent Systems in Accounting, Finance and Management*; *Information Technology and Management*; *Journal of Business, Finance, and Accounting*; and *Naval Research Logistics*. He is a member of INFORMS, DSI, AAA and IIA. He has worked in industry for three years as a systems analyst.

Haldun Aytug

<http://bear.cba.ufl.edu/aytugh/>

Haldun Aytug is an Assistant Professor of Information Systems & Operations Management at the University of Florida. His research interests include machine learning, theory of genetic algorithms and scheduling. He has taught database design, system analysis and design, data mining, simulation and programming. His research has been funded by the National Science Foundation and has been published in *ORSA Journal on Computing*, *European Journal of Operational Research*, *Annals of OR*, *International Journal of Production Research*, and other academic journals. He is a member of INFORMS and ACM.

Subhajyoti Bandyopadhyay

<http://bear.cba.ufl.edu/bandyos/>

Subhajyoti Bandyopadhyay is currently an Assistant Professor in the Department of Information Systems & Operations Management in the University of Florida. His areas of specialization are in electronic commerce strategies, economics of electronic commerce and security aspects of electronic commerce. His recent publications include an economic analysis of competition among sellers in online exchanges; using reinforcement learning to learn game theoretic behavior; bundling of digitized music over the Internet for music companies; using click stream data for empirical analysis, and developing a security policy framework for organizations embracing electronic commerce. Prior to his current position, Subhajyoti worked with IBM in India, where he held positions in marketing and brand management of the IBM AS/400 computing platform. Subhajyoti obtained his BS in Electrical Engineering from the Indian Institute of Technology, Kanpur (1991) and an MBA from the Indian Institute of Management, Bangalore (1993). He obtained his Ph.D. in Management Information Systems from Purdue University in 2002.

Harold Benson

<http://bear.cba.ufl.edu/benson/>

Harold Benson, Professor, earned his Ph.D. from Northwestern University in Industrial Engineering and Management Sciences in 1976. He has held the American Economic Institutions and the Knight-Ridder Chairs at the University of Florida. His research interests are in the areas of multiple criteria decision-making and global optimization. He has authored over 60 refereed research publications. Currently, he is Associate Editor of *Naval Research Logistics*, *Operations Research Letters*, *the Journal of Optimization Theory and Applications*, *the Journal of Global Optimization*, and *the Journal of Mathematical Analysis and Applications*. He is also an editorial board member for the *International Journal of Computational and Numerical Analysis and Applications*. He has been named Teacher of the Year and received a Teaching Improvement Program Award from the University of Florida.

Janice Carrillo

<http://bear.cba.ufl.edu/carrillo/>

Janice E. Carrillo received her masters and doctorate degrees in Operations Management from the Georgia Institute of Technology. During her graduate studies, she received a prestigious fellowship from Intel and won the Best Student Paper Award at the Portland International Conference on Management of Engineering and Technology (PICMET). Her interests in technology management were fueled by her earlier work experience as an electrical engineer. Prior to her graduate studies, she worked at Clorox, Hughes Aircraft, Rockwell International, and McDonnell Douglas.

Currently, Professor Carrillo is an Associate Professor in the Warrington College of Business at the University of Florida, where she teaches management science and supply chain management. Her general research topics of interest include: management of technology, manufacturing strategy, and knowledge management. In particular, her research addresses the analysis of process improvement and new product development strategies and has appeared in journals including *Management Science*, and *IIE Transactions*. She is a member of the Decision Sciences Institute (DSI), the Institute for Operations Research and the Management Sciences (INFORMS), and the Production and Operations Management Society (POMS).

H. Kenneth Cheng

<http://bear.cba.ufl.edu/cheng/>

Dr. Hsing “Kenny” Cheng is Associate Professor of Information Technology and the American Economic Institutions Faculty Fellow at the Department of Information Systems & Operations Management of Warrington College of Business Administration at the University of Florida. Prior to joining UF, he served on the faculty at The College of William and Mary from 1992 to 1998. He received his Ph.D. in computers and information systems from William E. Simon Graduate School of Business Administration, University of Rochester in 1992. Professor Cheng teaches information technology strategy, electronic commerce, and supply chain management. He was awarded the Warrington College of Business Administration Teacher of the Year for 2000-2001.

Dr. Cheng’s research interests involve electronic commerce, economics of information systems, and information technology in supply chain management. His recent research focuses on

modeling the impact of Internet technology on marketing, and issues surrounding the application services supply chain and web services. His work has appeared in *Computers and Operations Research*, *Decision Support Systems*, *European Journal of Operational Research*, *IEICE Transactions*, *Journal of Business Ethics*, *Journal of Management Information Systems*, and *Socio-Economic Planning Sciences*. He also contributed book chapters on “Hacking, Computer Viruses, and Software Piracy: The Implications of Modern Computer Fraud for Corporations” and “The Critical Role of Information Technology for Employee Success in the Coming Decade.” Dr. Cheng is a member of ACM, DSI, and INFORMS.

Richard E. Elnicki

<http://nersp.nerdc.ufl.edu/~dicke/>

Professor Elnicki's research and teaching interests include telecommunications and networking, and he has consulted on these subjects in the UF and State of Florida. He has been corporate Treasurer of the Association for Information Systems and the International Conference on Information Systems since 1997. He is currently an Emeritus Professor in the Department.

S. Selcuk Erenguc

<http://bear.cba.ufl.edu/erenguc/>

S. Selcuk Erenguc is the PricewaterhouseCoopers Professor of Information Systems & Operations Management and Associate Dean of Graduate Programs in the College He received his doctorate from Indiana University in 1980. He has held appointments at Indiana University, Ohio State University, Sabanci University in Istanbul, Turkey and Consortium International MBA Program in Asolo, Italy. Professor Erenguc has conducted research in the areas of combinatorial optimization, production planning and control, project management and scheduling and supply chain management. He serves as associate/area editor for *Naval Research Logistics* and *Production and Operations Management* and on the Editorial Review Board for the *Journal of Operations Management*. He has also guest edited special issues of several academic journals in his field. He has published more than forty papers the leading journals of his field. Academic journals in which his publications appeared include *Decision Sciences*, *International Journal of Production Research*, *IIE Transactions*, *Journal of Operations Management*, *Management Science*, *Naval Research Logistics*, *Operations Research*, *Operations Research Letters* and *Production and Operations Management*. Professor Erenguc teaches courses in operations management, purchasing and supply chain management, production planning and control and project management. He is a winner of the university-wide Professorial Excellence Award.

Juan (Jane) Feng

Juan (Jane) Feng is an Assistant Professor of Information Systems & Operations Management at the University of Florida. She received her doctorate degree in Information Systems from Penn State University, with a dual title in Operations Research. Currently she teaches courses in information systems, including System Analysis and Design, Database Management, Telecommunications and Internet Strategy. Her general research topics of interest include: economics of information systems, e-business, auction, etc. She is a member of the Association for Information Systems (AIS), the Institute for Operations Research and the Management Sciences (INFORMS), and American Economic Association (AEA).

Ira Horowitz

Ira Horowitz is Graduate Research Professor Emeritus, having retired as a full-time faculty member at the end of the 1999-2000 academic year, which marked his 28th year of service to the University of Florida. Prior to coming to the University of Florida, Dr. Horowitz, who earned his B.A. at the Johns Hopkins University (1955) and Ph.D. at the Massachusetts Institute of Technology (1959), spent twelve years on the faculty of the School of Business Administration at Indiana University. He has also held visiting faculty appointments at the University of Kansas City (1960), The Catholic University of Louvain (1968-69), Michigan State University (1978-79), Institut Europeen d' Administration des Affaires (1984-85; Summer 1987; Summer 1997), The City University of Hong Kong (1992-94; 1997-98; Spring 2001), Chiba University of Commerce (Summer 1993; November 1998), The Chinese University of Hong Kong (Spring/Summer 1995), San Diego State University (Summer 2000; Summer 2002), Adelaide University (February-August, 2001), and the University of Kansas (Fall 2001). He has been a Woodrow Wilson Fellow (1955-56), Beta Gamma Sigma Distinguished Scholar (1977-78), and American Institute of Decision Sciences Fellow (1978), and is the recipient of the American Institute of Decision Sciences Distinguished Service Award (1983), Teknologie Doktor h. c. Linköping Institute of Technology (1989), and the Blue Key Distinguished Faculty Award (1990).

Dr. Horowitz served as Editor of *Decision Sciences* (1978-83) and *Managerial and Decision Economics* (1988-93), and has also served on numerous Editorial Boards. At the present time he serves on the Editorial Boards of the *Quarterly Journal of Business and Economics*, *Managerial and Decision Economics*, *Multinational Finance Journal*, *Pacific Economic Review*, *Omega*, and the *Journal of Sports Economics*.

Dr. Horowitz remains active and, indeed, has been taken out of mothballs to teach in the Warrington College's Executive MBA Program in the Summer 2003. He is the author/coauthor of five books and has published some 150 articles in refereed journals in economics and business. His most recent published papers appeared in the *Journal of Wine Marketing* and *Omega*, or will shortly appear in *Energy Policy* and the *Journal of the Operational Research Society*. His recent and on-going research has focused on the pricing and procurement problems facing electric utilities.

Gary J. Koehler

<http://bear.cba.ufl.edu/koehler/>

Gary J. Koehler is the John B. Higdon Eminent Scholar of Management Information Systems. He received his Ph. D. from Purdue University in 1974. He has held academic positions at Northwestern University and Purdue University and between 1979-1987 was a cofounder and CEO of a high-tech company which grew to over 260 employees during that period. His research interests are in areas formed by the intersection of the Operations Research, Artificial Intelligence and Information Systems areas and include such areas as genetic algorithm theory, machine learning, e-commerce, and decision support systems. He has published in journals including *Management Science*, *Operations Research*, *Journal on Computing*, *Evolutionary Computation*, *Decision Sciences*, *Decision Support Systems*, *the European Journal on*

Operational Research, Computer Technologies and Information Systems: *IIE Transactions on Operations Engineering*, *SIAM Journal on Control and Optimization*, *Discrete Applied Mathematics*, and many more.

He is an area editor for *Decision Support Systems*; an associate editor for *Decision Sciences*, *INFORMs On-line*, the *Journal of Information Technology and Management*, the *International Journal of Business*, and the *Journal of Database Management*; a departmental editor (Computer Technologies and Information Systems) for *IIE Transactions on Operations Engineering*; and on the editorial board for *Information Systems and e-Business Management* and the *Journal of Computational Intelligence and Organizations*. He has served as an expert witness for many large firms (including AT&T and Anderson Consulting), has been an External Examiner for several Universities and has worked under grants from IBM and the National Science Foundation.

Praveen Pathak

<http://bear.cba.ufl.edu/pathak/>

Praveen Pathak is an Assistant Professor of Information Systems & Operations Management. He received his Ph.D. from University of Michigan at Ann Arbor in 2000. He holds a MBA from the Indian Institute of Management, and a B.Tech. (Honors) from the Indian Institute of Technology. Prior to joining University of Florida he was working as an Assistant Professor at Purdue University. His research interests are in the field of Information Retrieval, Text Mining, Machine Learning, and Applications of Heuristic Algorithms. He has published in various journals and conferences including *Information Processing and Management*, *Proceedings of the International Conference of Information Systems*, *Annual Hawaii International Conference on System Sciences*, *Americas Conference on Information Systems*, *Workshop on Information Technologies and Systems*, *INFORMS Conference on Information Systems and Technology*, and *Meetings of Decision Sciences Institute*.

Professor Pathak's teaching interests are in the field of Business Data Communications Management, and Network Security. Prof. Pathak is Member of *ACM*, *IEEE*, *INFORMS*, *DSI*, and *AIS*. He is on the editorial board of *Journal of Database Management*, a program committee member of *Workshop on Information Technologies and Systems*, and an ad-hoc referee for *Information Systems Research*, *Information Processing and Management*, *International Conference of Information Systems*, *Hawaii International Conference on System Sciences*, and *Americas Conference on Information Systems*. Before entering academics, Prof. Pathak had worked with Citibank, Index Computing, and Indian Telephone Industries.

Anand A. Paul

<http://bear.cba.ufl.edu/paul/>

Anand Paul is an Associate Professor in the Department of Decision & Information Sciences at the University of Florida. He has a Ph.D. degree from the University of Texas-Austin, an MBA from the Indian Institute of Management, and a B.Tech. (Electrical Engineering) from the Indian Institute of Technology. He teaches courses in operations management and quantitative analysis. His recent research deals with probability models in operations management and operations

research, and applied probability theory. Within operations management, his main areas of interest lie in supply chain management, project management and contract design. His research has been published in *Management Science*, *Operations Research*, *IIE Transactions* and *Operations Research Letters*. Prior to embarking on a career in academia, Dr. Paul worked for three years in the market research industry.

Selwyn Piramuthu

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Selwyn Piramuthu is an Associate Professor of Information Systems. He received his PhD in Information Systems from the University of Illinois in 1992. His research and teaching interests include artificial intelligence, database management, data mining/machine learning, and simulation including their applications in computer integrated manufacturing, e-commerce, financial credit scoring, new product development, supply chain management, and work flow management. His research has been published in *Annals of Operations Research*, *Decision Support Systems*, *European Journal of Operational Research*, *IEEE Transactions on Engineering Management*, *IEEE Transactions on Systems, Man, and Cybernetics*, *INFORMS Journal on Computing*, *International Journal of Expert Systems*, *International Journal of Flexible Manufacturing Systems*, *International Journal of Production Research*, *Management Science*, among others.

Patrick A. Thompson

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Professor Thompson is a Lecturer in the Department of Information Systems & Operations Management at the University of Florida. He has a B.S. and M.S. degrees from Bowling Green State University and a Ph.D. degree from the University of Wisconsin-Madison. Professor Thompson teaches statistics, simulation, decision theory and total quality management in the graduate and undergraduate programs. He previously served on the faculty of Ohio State University.

Asoo J. Vakharia

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Asoo J. Vakharia is the Beall Professor of Supply Chain Management and the Chair of the Department of Information Systems & Operations Management at the University of Florida. He has Ph.D. and M.B.A. degrees in Operations Management from the University of Wisconsin and a B.COM. in Accounting and Economics from Bombay University. Asoo's research primarily focuses on e-Business and Coordination Issues in Supply Chains and he has published papers in several academic leading journals including the *Decision Sciences Journal*, the *European Journal of Operational Research*, the *Journal of Discrete Applied Mathematics*, the *Journal of Operations Management*, and the *Naval Research Logistics Journal*. He is a **Senior Editor** for the *Production and Operations Management Journal*, an **Associate Editor** for the *Decision Sciences Journal* and an Area Editor for *Operations Management Review*.

Asoo's teaching interests are in Operations Management, Manufacturing Planning and Control, Design of Manufacturing Systems, Management of Service Operations, Operations Strategy, Management Science, Transportation and Logistics Systems, and MPC/ERP Systems

Integration. He has also been involved in Executive Teaching through the Arizona Executive Program, the Arizona Executive Development Course, the Florida Executive MBA Program, the Florida Flexible MBA Program, the Florida Internet MBA Program, the Florida Professional MBA Program, and the Florida Corporate AT&T MBA Program. Asoo has also taught industry specific executive development courses through the President's Seminar Series for Greyhound Financial Corporation, the President's Academy and Managerial Decision Analysis for Tucson Electric Power Company, the Operations Excellence Program for AT&T Universal Card Services, Quality Analysis and Statistical Methods for Citibank Universal Card Services and the Operations/Financial Analysis Program for AT&T Solutions Customer Care. After joining academia, he has worked with several companies including AT&T Solutions Customer Care, Golden Eagle Distributors, Garrett Air Research, Motorola, Solo Sweetheart Cup Co., Inc., and the University of Arizona Medical Center.