

**University of Minnesota
Carlson School of Management
Department of Information & Decision Sciences
Faculty Position — Tenure Track Assistant/Associate Professor
Number of Positions: One**

The University of Minnesota is well known as one of the founding schools for the MIS discipline and is home to the Management Information Systems Research Center, the *MIS Quarterly*, and SOBACO (Social Media and Business Analytics Collaborative). New faculty hires will benefit from both SOBACO's and the MISRC's research and outreach activities.

The Department has 13 tenured/tenure track faculty. The Department teaches courses and performs research in all areas of the information systems discipline including IT/IS in organizations, Economics of IS, Design and Management of Systems, Individual and Organizational Decision Support, Knowledge Management, Social Media, and Business Analytics. The department is also home to the MS-Business Analytics program, which offers both full- and part-time study. There is an active doctoral program in information systems with 11 students in residence. Carlson School faculty are among the world's most prolific; the latest Academic Rankings of World Universities puts the U of M's business and economics faculty 10th in the world in intellectual contributions. The IS MBA and undergraduate programs are ranked 3rd by *U.S. News and World Report*. For more information on the department, visit our web pages at www.csom.umn.edu, <http://www.misrc.umn.edu>, and www.sobaco.umn.edu.

Required and Preferred Qualifications

Entry-level applicants for an Assistant Professor position must have a strong research program, and an earned doctorate in information systems or a related field with IS competence or assurance of receiving the doctorate before August 31, 2016. If the doctorate is not received by this date, the appointment may be delayed until completion, or in extraordinary circumstances we will make the appointment at the rank of Instructor for an ABD and the ABD hire will have only one semester to complete the doctorate.

Applicants who are already holding an Assistant Professor position at other research universities must demonstrate an exceptional research trajectory and a substantial record of high-impact publications as well as excellence in the classroom.

Applicants for a tenured Associate Professor position must have earned a doctorate in information systems or a related field with IS competence. Candidates for a tenured position must possess a distinguished record of scholarship and teaching that meets the criteria for tenure at the University of Minnesota. For additional qualifications, download a pdf copy of the full position description (see below).

Duties and Responsibilities

The Assistant/Associate Professor position is responsible for carrying out the teaching, research, and service mission of the department. The current teaching load for research-active faculty is 10 semester credits per academic year. The teaching assignments will be at both the undergraduate and graduate level with a mixture of managerial and technical courses. For additional information on the duties and responsibilities, refer to the full position description (see below). The chosen candidate will also be expected to take part in the full range of Department, School, and University service activities commensurate with rank.

For more information, download a pdf copy of the full position description and application instructions:

http://misq.org/skin/frontend/default/misq/pdf/UMN_position.pdf

To ensure consideration applications must be received by December 1, 2015, but applications will continue to be accepted until the position is filled.

We intend to undertake our initial screening interviews in the first two weeks of December 2015, just prior to the International Conference on Information Systems, via the Carlson School's high-fidelity video conferencing facility. We also reserve the right to interview candidates at ICIS in Forth Worth, Texas, December 12–16.

The University of Minnesota is an equal opportunity educator and employer.



Kingdom of Saudi Arabia
Ministry of Higher Education
King Fahd University of Petroleum & Minerals
Dhahran, Saudi Arabia



Faculty Positions in Management Information Systems

College of Industrial Management Department of Accounting & Management Information Systems

The Department of Accounting & Management Information systems at King Fahd University of Petroleum & Minerals is seeking to fill a number of faculty positions in the following areas:

- *Professor/Associate Professor/Assistant Professor Positions in **Management Information Systems***

JOB DESCRIPTION: You will be expected to engage in high quality research/scholarly activities, to be an effective classroom teacher at the graduate and undergraduate levels, and to participate effectively in executive education programs and other professional activities.

JOB QUALIFICATIONS: Applicant must have a Ph.D. degree (or near completion) in the relevant field from an internationally recognized university with a strong academic background. The successful applicant should be able to demonstrate potential in designing and teaching courses at the undergraduate and postgraduate level, and have the ability to produce and publish high quality research. Selection will be based on potential for publications in reputable journals. For the associate and full professor ranks, a proven record of publications in reputable journals is further required.

SALARY/BENEFITS: We provide competitive tax-free salaries to our employees in addition to other perks and benefits based on a two-year renewable contract. Competitive salaries are based on qualifications and experience. Free furnished air-conditioned on-campus housing unit with free essential utilities and maintenance. The appointment includes the following benefits according to the University's policy: air ticket/s to Dammam on appointment; annual repatriation air ticket/s for up to four persons; assistance with local tuition fees for school-age dependent children; local transportation allowance; two months' paid summer leave; end-of-service gratuity. The KFUPM campus has a range of facilities including a medical and dental clinic, an extensive library, computing, research and teaching laboratory facilities and a recreation center.

APPLICATION PROCEDURE: Please visit <http://www3.kfupm.edu.sa/facultyrect/> (via KFUPM website: (<http://www.kfupm.edu.sa> Hyperlink: JOBS) fill-up forms, attached cover letter, updated/detailed C.V./Resume, completed KFUPM application form with copies of credentials (academic degree/s & transcript/s) and four (4) signed reference/recommendation letters from your referees.

ABOUT US: King Fahd University of petroleum and Minerals (KFUPM) is located in the town of Dhahran in the Eastern Province of Saudi Arabia. The university has over 10,000 students and over 600 professors from more than 60 nationalities. The college of Industrial Management is the first business college to receive the AACSB accreditation more than 10 years ago. The college offers five B.S. degrees in Finance, Accounting, Marketing, Management, and MIS, along with MBA and EMBA degrees. In addition to being among the top business schools in the Middle East, the college has a new ambition to enhance its academic rank globally by focusing on publishing top quality research and maintaining excellence in education. For more information, see <http://www.kfupm.edu.sa>

We are going to interview applicants in a private placement booth at the following conference:

- Americas Conference on Information System, August 13-15, 2015 (El Conquistador Resort, Puerto Rico)

For interview, please contact Dr. Walid Bahamdan, Chairman, Dept. of Accounting & MIS, College of Industrial Management, KFUPM, Dhahran, Saudi Arabia; Email: wbahamdan@kfupm.edu.sa

(Please quote ad **Ref. no. CIM-MIS-161** in your initial application.)
ALL RANKS/POSITIONS WILL REMAIN OPEN UNTIL FILLED

Complexity and Information Systems Research in the Emerging Digital World

Special Issue Editors

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Submission Deadline: June 15, 2016

Motivation and Overview

Global digital infrastructures, social media, the Internet of Things, digital business platforms, and other digitally enabled networks and ecosystems foster hyper-connections and mutual dependencies among human actors, organizations, processes, and things. Social and technical components become intertwined into complex sociotechnical ecosystems that affect human agencies and experiences in all dimensions including market and economic behaviors, political processes, entertainment, and environmental sustainability. Complex sociotechnical ecosystems operate far from equilibrium and exhibit nonlinearity, self-organization, emergence, and coevolution. Individuals and organizations within such complex sociotechnical ecosystems turn to digital technology to manage problems resulting from nonequilibrium dynamics. Although intelligent computational algorithms powered by big data and analytics have great potential to augment human agencies, predicting the surprising outcomes of complex ecosystems could be infeasible unless the tools could accommodate nonlinear, dynamically changing interactions in the complex ecosystem. This is because every attempt a stakeholder makes to address a wicked problem triggers intelligent responses from other stakeholders in the ecosystem. These dynamics present fundamental uncertainties that do not lend themselves to the traditional, reductionist information-processing paradigm. Thus, in digital worlds, complexity and solutions based on digital technology present new phenomena that offer new opportunities and challenges for information systems (IS) researchers and practitioners. Furthermore, methodological developments such as agent-based simulation, high-dimensional statistical techniques, visualization tools, data-mining tools, and large-scale dynamic network modeling, together with the increasing availability of user- and machine-generated trace data enable scholars to explore how sociotechnical, complex ecosystems emerge and evolve in digital worlds.

The purpose of this special issue is to foster the development of new IS theories on the causes, dynamics, and consequences of complexity in sociotechnical systems in the digital age. Research on complexity has spanned a broad range of disciplines and led to the emergence of a *complexity science* that provides new concepts and frameworks for examining order creation in complex adaptive systems. We encourage submissions that go beyond the application and replication of received principles of complexity science in the context of the digital world. We also invite submissions to learn from the unique characteristics of the emerging digital world to develop new IS theories and make new contributions to complexity science.

Scope and Focus of the Special Issue

We are interested in a broad set of complex, digitally enabled social, technical, economic, and psychological phenomena. There are many different definitions of complexity and complexity science. While we recognize that people might have different interpretations on what complex science is, we believe that some combinations of complexity concepts are necessary in defining complex science. Interested authors must refer to at least some complexity concepts and previous studies both in management and IS that have used complexity. We ask authors clearly articulate how their work includes one or more of these ingredients in their study. At the same time, we are open to new concepts and novel forms of complex sciences. In such cases, the authors must rigorously discuss the their use of *complexity* in their study.

We welcome submissions from all forms of IS research, including organizational and behavioral IS, economics of IS, qualitative and critical studies of IS and design science. The special issue is open to all types of papers: philosophical, theoretical, methodological, empirical, etc. We welcome any IS research that generates new knowledge on causes, dynamics, and consequences of complex sociotechnical systems and enables individuals, organizations, and societies to better address the challenges and opportunities posed by complexity. Possible topics include, but are not limited to the following:

- Explaining how the digitization of products, processes, relationships, etc., induces complexity
- Explaining how increasing complexity changes behavioral dynamics in complex ecosystems, and how information and IS can be used to cope with the new managerial challenges posed by increasing digital complexity
- Empirically examining the role human agents, data, devices, infrastructure, and relationships and their interactions in fast-changing, complex sociotechnical systems (e.g., emergence, self-organization, skew distributions, and coevolution behaviors in crises situations; surprising system glitches and crashes; system vulnerabilities and risks; hypercompetitive dynamics in digital ecosystems; and social movements)
- Exploring the relationship between innovations and the complexity level of digitally enabled products and platforms, and their performance
- Building evolutionary ontology, theories, and methods that allow investigation of emergence dynamics from a multilevel perspective
- Analyzing temporal and spatial nonlinear dynamics where digital technologies can radically affect the creation and re-creation of order, formation of fractals, and build-up of tension, and lead to phase transitions and dissipation of structures, or where digital technologies could be used as control points and circuit breakers to prevent sociotechnical and economic systems from approaching the edge of discontinuities
- Investigating the changing nature of human agency and extending the existing discussion on sociomateriality, emphasizing the hybrid and distributed nature of human agency as human actors constantly interact with intelligent materials, facing computational and algorithmic sociotechnical worlds
- Examining how the increasing complexity of a digitally enabled, sociotechnical system affects traditional institutions, regulations, and social and cultural norms
- Applying complexity science to big, digitally traced data to generate novel empirical discoveries
- Developing new methods that are more appropriate for the study of IS phenomena in complex adaptive systems

Review Process

The guest editors will screen submissions for fit. The review process will aim for a 3-month review cycle and will require authors to adhere to a 3-month revision cycle. Papers that miss the required revision cycle or that are not deemed acceptable after two revisions will be removed from consideration.

See the full Call for Papers on the *MIS Quarterly* website at <http://www.misq.org>



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Save the Date: SIM Academic Workshop

The Society for Information Management (SIM), an association of more than 4,600 senior IT executives, prominent academicians, selected consultants and other IT thought leaders, invites you to the Pre-ICIS SIM & MISQE Academic Workshop. The workshop takes place on **December 12, 2015** from 8:30am – 5pm prior to:

The 2015 International Conference on Information Systems (ICIS 2015)
December 13-16, 2015 | Fort Worth, TX

To register for the workshop, visit icis2015.aisnet.org, click *Registration, Conference Registration*, then choose *Register Here for the Ancillary Only Workshops (search SIM)*.

2016 Society for Information Management Academic Paper Competition

Each year, SIM recognizes innovative business initiatives that use IT to drive measurable results.

If you have researched an important and successful IT-related business initiative, the SIM 2016 Paper Competition Committee invites you to submit an abstract describing this initiative. The work described must be implemented and it must have had a significant impact on the organization involved. Winning papers will be a collaboration between academics and practitioners. Since SIM's focus is toward executive management, the work should describe an initiative of interest to senior IS executives.

For more information, visit www.simnet.org/papercompetition

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