



UNC CHARLOTTE  
BELK COLLEGE *of* BUSINESS

# Curriculum Vitae

Monica Johar

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## Monica S Johar

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CONTACT INFORMATION	University of North Carolina at Charlotte BISOM Department, 9201 University City Blvd Charlotte, NC 28223-0001	Phone: (704) 687-7658 Email: msjohar@unc.edu
ACADEMIC POSITION	<b>Assistant Professor</b> Business Information Systems and Operations Management (BISOM) <i>Belk School of Business</i> <b>University of North Carolina</b> at Charlotte, USA	August 2006 - Present
EDUCATION	<b>Ph.D.</b> Management Information Systems <i>Naveen Jindal School of Management</i> <b>University of Texas</b> at Dallas, USA	Aug 2006
	<b>M.S.</b> Management Information Systems <i>Naveen Jindal School of Management</i> <b>University of Texas</b> at Dallas, USA	Aug 2005
	<b>B.E.</b> Electronics and Telecommunications <i>Cummins College of Engineering</i> <b>Pune University</b> , Pune, India	Jul 2000
RESEARCH INTERESTS	Software engineering, Database Management Knowledge Management, Social Networks, and Web personalization Peer-to-Peer networks, Content Provision and Distribution Markets Mathematical modeling and Optimization	
TEACHING INTERESTS	Management Information Systems Database Management Systems Analysis and Design	Enterprise Resource Computing Business Data Communications Business Analytics
ACADEMIC AWARDS AND NOMINATIONS	<ol style="list-style-type: none"><li>1. Johar, M., Kumar, N., and Mookerjee, V., "Content Provision Strategies in the Presence of Content Piracy," <b>Best Paper Award</b>. <i>Belk College of Business</i>. 2012</li><li>2. Atahan, P., Johar, M., and Sarkar, S., "Offer Sets, User Profiles and Firm Payoffs," <b>Best Paper Award Nominee</b>. <i>Fourth China Summer Workshop on Information Management (CSWIM)</i>. June 2010.</li><li>3. Johar, M., Atahan, P., and Sarkar, S., "Strategic Learning in Recommendation Systems," <b>Best Paper Award Nominee</b>. <i>Workshop on e-Business (WeB)</i>. December 2008.</li><li>4. Johar, M., Kumar, S., Dawande, M., and Mookerjee, V., "Optimizing the Rotation of Developers in Extreme Programming: A Model and Comparison," <b>Best Paper Nominee</b>. <i>Workshop on Information Technologies and Systems (WITS)</i>. December 2003.</li></ol>	

REFERRED  
JOURNAL  
ARTICLES

1. Dong, S., Johar, M., and Kumar, R. "Understanding Key Issues in Designing and Using Knowledge Flow Networks: An Optimization-Based Managerial Benchmarking Approach," *Decision Support Systems* 55(3), June 2012, pp. 646-659.
2. Johar, M., Kumar, N., and Mookerjee, V. "Content Provision Strategies in the Presence of Content Piracy," *Information Systems Research*, Published online before print March 7 2012, doi:10.1287/isre.1110.0406
3. Dong, S., Johar, M., and Kumar, R. "A Benchmarking Model for Management of Knowledge-Intensive Service Delivery Networks," *Journal of Management Information Systems* 28(3), Winter 2011-12, pp. 127-160.
4. Johar, M., Menon, S., and Mookerjee, V. "Analyzing Sharing Incentives in Peer-to-Peer Networks Under Various Congestion Measures," *Information Systems Research* 22(2), June 2011, pp. 325-345.
5. Dawande, M., Johar, M., Kumar, S., and Mookerjee, V. "A Comparison of Pair versus Solo Programming under Different Objectives: An Analytical Approach," *Information Systems Research* 19(1), March 2008, pp. 71-92.

MANUSCRIPTS  
UNDER  
REVIEW

6. Johar, M., Mookerjee, V., and Sethi, S. "Optimal Local and Global Software Reuse Policies: A Control Theoretic Approach," Under revision for 2nd review at *Information Systems Frontiers*.
7. Johar, M., Sarkar, S., and Mookerjee, V. "Selling versus Profiling: Optimizing the Offer-Set in Web-based Personalization," 2nd review at *Operations Research*.
8. Atahan, P., Johar, M., and Sarkar, S. "Optimizing Offer sets based on Item Externalities and User Profiles," Under 1st review at *Management Science*.

WORK IN  
PROGRESS

9. Johar, M., Mookerjee, V. "Optimal Release Policies for Software Development," *Working Paper*.
10. Li, X., Johar, M., and Zhou, J. "Optimal Information System Security Investment – A Control Theoretic Approach," *Working Paper*.
11. Mayadunne, S., Johar, M., and Saydam, C. "Competitive Store Closings during an Economic Downturn - a Mathematical Programming Approach," *Working Paper*.

GRANTS

1. "Optimal Information Security Investment – A Control Theoretic Approach".  
*Summer Research Grant*. Sponsored by the Belk College of Business. May 2012  
**\$15,500**
2. "Optimizing Offer sets based on Item Externalities and User Profiles".  
*Dean's Scholar Research Grant*. Sponsored by the Belk College of Business, May 2011  
**\$20,000**
3. "Understanding Key Issues in Designing and Using Knowledge Flow Networks: An Optimization-Based Managerial Benchmarking Approach"  
*Summer Research Grant*. Sponsored by the Belk College of Business, May 2010.  
**\$15,000**

REFERRED  
CONFERENCE  
PROCEEDINGS

1. Dong, S., Johar, M., Kumar, R. "Understanding Key Issues in Creating and Nurturing Organizational Networks in the Context of Knowledge Intensive Service Delivery," *Workshop on E-Business (WeB)*, December 2010, Saint Louis, MS.
2. Atahan, P., Johar, M., and Sarkar, S., "Offer Sets, User Profiles and Firm Payoffs," *Fourth China Summer Workshop on Information Management (CSWIM)*, June 2010, Wuhan, P.R. China (Best Paper Award Nominee).
3. Atahan, P., Johar, M., Sarkar, S. "Optimizing Offer Sets Based On User Profiles," *Workshop on Information Technologies and Systems (WITS)*, December 2009, Phoenix, AZ.
4. Johar, M., Atahan, P., and Sarkar, S., "Strategic Learning in Recommendation Systems," *Workshop on e-Business (WeB)*, December 2008, Paris, France (Best Paper Award Nominee).
5. Dong, S., Johar, M., Kumar, R. "A Model to Facilitate Systematic Design of Knowledge-Intensive Service Delivery Networks," *Workshop on Information Technologies and Systems (WITS)*, December 2007, Montreal, CANADA.
6. Johar, M., Sarkar, S. "Optimizing the Composition of the Consideration Set for Web-based Personalization," *Workshop on Information Technologies and Systems (WITS)*, December 2006, Milwaukee, WI.
7. Johar, M., Mookerjee, V., and Sethi, S. "Optimal Local and Global Software Reuse Policies: A Control Theoretic Approach," *Conference on Information Systems and Technology (CIST)*, November 2005, San Francisco, CA.
8. Johar, M., Mookerjee, V., and Menon, S. "An Economic and Operational Analysis of sharing in P2P Networks," *Workshop on Information Technologies and Systems (WITS)*, December 2004, Washington, DC.
9. Johar, M., Kumar, S., Dawande, M., and Mookerjee, V. "Optimizing the Rotation of Developers in Extreme Programming: A Model and Comparison," *Workshop on Information Technologies and Systems (WITS)*, December, 2003, Seattle, WA (Best Paper Award Nominee).

PRESENTATIONS

1. Optimal Local and Global Software Reuse Policies: A Control Theoretic Approach. **Production and Operations Management**, Orlando, FL, 2009.
2. Optimizing the Composition of the Consideration Set to Maximize Payoffs from Web-based Personalization. **International Conference on Management Science**, Dallas, TX, 2006.
3. Optimizing Module-Developer Assignment in Software Projects: Pair Vs Solo Programming. **Doctoral Consortium, International Conference on Information Systems (ICIS)**, Las Vegas, NV, 2005.
4. An Economic and Operational Analysis of sharing in Peer-to-Peer Networks. **Big X11 Research Symposium**, Norman, OK, 2005.

INVITED  
TALKS

1. Offer Sets, User Profiles and Firm Payoffs. **ibid2save LLC**, Online auction firm, Charlotte, NC, 2012.
2. Optimal Local and Global Software Reuse Policies: A Control Theoretic Approach. **INFORMS Annual Meeting**, Charlotte, NC, 2011.

3. A Model to Facilitate Systematic Design of Knowledge-Intensive Service Delivery Networks.

**INFORMS Annual Meeting**, Washington DC, 2008.

4. Analyzing the impact of Peer-to-Peer networks on the Market for Content Provision and Distribution.

**INFORMS Annual Meeting**, Seattle, WA, 2007.

5. Optimizing the Composition of the Consideration Set to Maximize Payoffs from Web-based Personalization.

**INFORMS Annual Meeting**, Seattle, WA, 2007.

TEACHING  
EXPERIENCE

**Instructor**

Belk College of Business, **University of North Carolina at Charlotte**.

1. Management Information Systems (INFO 3130)  
Fall 2006, 2007, 2009, Spring 2007, 2008, 2009, 2010, 2012
2. Data and Knowledge Management in Business (INFO 8201, MBAD 6201)  
Fall 2007, 2008, 2009, 2011
3. Information Systems research Seminar (INFO 8800)  
Spring 2011
4. Business Decision Support Systems (INFO 3236)  
Fall 2011
5. Business Statistics (MBAD 5141)  
Spring 2009

**Instructor, Information Systems and Operations Management**

Naveen Jindal School of Management, **University of Texas at Dallas**.

1. Introduction to Management Information Systems  
Fall 2005, Spring 2006

INDUSTRY  
EXPERIENCE

**SAP Consultant**

Satyam Computers India Ltd.

Aug 2000- Jan 2002

ACADEMIC  
SERVICE

**Student Advising**

1. *Doctoral Dissertation Co-Chair*, May 2007 – May 2011  
- Su Dong, PhD Candidate, Business Information Systems and Operations Management (BISOM), Belk College of Business, University of North Carolina at Charlotte.

**Service to the School of Business and the University**

1. Committee Member,  
- Belk College Grants Committee
2. Committee Member,  
- Planning committee for PSM in Business Analytics.
3. Committee Member,

- BISOM Department representative for Undergraduate Course and Curriculum Committee (UCALC).
- 4. Committee Member,
  - BISOM Department representative on Faculty Council
- 5. Committee Member,
  - Entrepreneurship Task Force
- 6. Committee Member,
  - Strategic Planning Task Force

**Service to the Department of Business Information Systems and Operations Management**

1. Committee Member,
  - Course and Curriculum Committee
2. Organizer
  - BISOM Research Seminar Series
3. Committee Member,
  - Graduate Affairs Committee
4. Department Representative,
  - BISOM Department representative at the MBA Open House in Uptown Charlotte
5. Presentation,
  - Major Presentation to introduce undergraduate students at the Belk College of Business to the MIS Major
6. Supervisor,
  - Online course supervisor provided feedback for the office of Distance Education.
7. Course Coordinator,
  - Course coordinator for MIS course (INFO 3130).
8. Department Recruiting Representative,
  - Interviewed candidates for BISOM Department at INFORMS `07, ICIS `06
9. Department Representative,
  - Preparing the Assurance of Learning Document for AACSB Accreditation.

**Service to the Academic Community**

1. Reviewer for Journals
  - Management Science,*
  - Marketing Science,*
  - Information Systems Research,*
  - European Journal of Operational Research,*
  - Decision Support Systems,*
  - Production and Operations Management Society,*
  - Information Technology and Management.*
2. Reviewer for Conference Proceedings
  - Workshop on Information Technologies and Systems,*
  - Conference on Information Systems and Technology and,*
  - Workshop on e-Business*

3. Editor  
*Ad-hoc Associate Editor for Information Technology and Management (ITEM) 2009, 2010*
4. Invited Program Committee Member  
*Conference on Information Systems and Technology (CIST), 2008*
5. Invited Session Chair  
*INFORMS 2008, 2011*

PROFESSIONAL  
MEMBERSHIP

1. Member, Information Systems Society
2. Member, INFORMS
3. Member, AIS

FELLOWSHIPS  
AND HONORS

1. Doctoral Fellowships
2. Doctoral candidate representing the Naveen Jindal School of Management, University of Texas at Dallas at *ICIS Doctoral Consortium*, Dec 2005
3. Doctoral candidate representing the Naveen Jindal School of Management, University of Texas at Dallas at *Big XII Symposium*, Norman OK, April 2005
4. "Pat on the Back Award", Satyam Computers Ltd, India, 2001  
(For outstanding contribution as a SAP consultant)