The PhD program in the department of Information and Decision Sciences is among the top-ranked programs in the country. The University of Minnesota was one of the first schools to establish a doctoral program in management information systems and remains a top-five leader in the study of MIS. It is recognized worldwide for shaping the field. Factors contributing to this recognition are:

- Defined relevant discipline areas through research, writing, and editorial contributions in major academic and practitioner outlets
- Innovations in curriculum
- Number and quality of our graduates
- Faculty leadership in professional societies and journals
- Developed major organizational links between faculty and practitioners

Our faculty are focused on conducting theoretical and empirical research that addresses the role, impact, and development of IT innovations from a business perspective in business process, organizational, and market contexts. This provides a wealth of research opportunities for faculty and doctoral students! For more information about this program visit: carlonschool.umn.edu/phd-ba/information-decision-sciences

### Curriculum & Courses

Students take a minimum of 46 semester credits of coursework including 14 credits of IDSc PhD seminars, 8 credits of research methodology coursework, and 16 credits of supporting fields or minor area coursework. Students are required to take the courses listed below, with the possibility of other courses as well. Methodology courses can include regression, experimental design, multivariate statistics, and econometric modeling.

**IDSc PhD Seminars Offered:**
- IDSc 8511: Conceptual Topics and Research Methods in IDSc
- IDSc 8521: Seminar in Systems Development
- IDSc 8531: Organizational Theory and Research in Information Systems
- IDSc 8541: Intro to Economics of Information Systems
- IDSc 8711: Cognitive Science
- IDSc 8721: Behavioral Decision Theory
- IDSc 8722: Heuristic Decision Making
- IDSc 8801: Research Seminar in IDSc

### Information & Decision Sciences PhD Coordinator

De Liu
Associate Professor
PhD, University of Texas - Austin

**Areas of Interest:**
Auction and market mechanisms, knowledge and social networks, gamification and digital gaming

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### Admissions Statistics (Fall 2014)

<table>
<thead>
<tr>
<th>Applications</th>
<th>39</th>
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<tbody>
<tr>
<td>Admissions Offers</td>
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<tr>
<td>Acceptances</td>
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<tr>
<td>Program size</td>
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<td>Average age in program</td>
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<tr>
<td>Average GRE (before August 2011)</td>
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<tr>
<td>Average GRE (after August 2011)</td>
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<td>Average GMAT</td>
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</table>
Information and Decision Sciences Faculty

Gediminas Adomavicius  
Professor and Carolyn I. Anderson Professor in  
Business Education Excellence  
PhD, New York University  
Areas of Interest: Personalization technologies and recommender systems, knowledge discovery and data mining, electronic market mechanisms

Ravi Bapna  
Professor and Board of Overseers Professor of  
Information and Decision Sciences, Academic  
Director of SOBACO  
PhD, University of Connecticut  
Areas of Interest: Personalization technologies and data mining, electronic markets

Gordon Burtch  
Assistant Professor  
PhD, Temple University  
Areas of Interest: The economics of information systems, with a particular focus on the drivers and implications of participant behavior in marketplaces that incorporate social media, crowdsourcing and user generated content

Jason Chan Choon Fei  
Assistant Professor  
PhD, University of Pennsylvania  
Areas of Interest: Social and economic impacts of the internet, health IT and economics; social media, online advertising, and e-commerce

Norman L. Chervany  
Carlson School Professor of Information and  
Decision Sciences  
DBA, Indiana University  
Areas of Interest: Role of trust in management and use of information technology, effects of information technology on work and organizational design, management of technology-based change, management of the information services function

Shawn Curley  
Professor, Director of Graduate Studies and PhD  
Program Director  
PhD, University of Michigan  
Areas of Interest: Decision and judgment processes under uncertainty, belief processing, practical reasoning

Alok Gupta  
Professor and Curtis L. Carlson Chair of Information and Decision Sciences  
PhD, University of Texas-Austin  
Areas of Interest: Economic evaluation of electronic commerce, information economics, computational mechanism design, online auctions and mercantile processes, network externalities and pricing, data communication and computer networks, real-time mechanisms

Paul E. Johnson  
Professor and Curtis L. Carlson Chair in Decision Sciences  
PhD, Johns Hopkins University  
Areas of Interest: Human information processing, decision making in process and service technologies, knowledge work, expert problem solving, intelligent systems

Gautam Ray  
Associate Professor  
PhD, Ohio State University  
Areas of Interest: Electronic markets, e-commerce, search costs and market behavior, impact of IT on organizational structure and performance, knowledge sharing

Yuqing (Ching) Ren  
Assistant Professor  
PhD, Carnegie Mellon University  
Areas of Interest: Online communities, distributed collaboration, knowledge management, computational modeling of groups and organizations, social networks, health informatics

Soumya Sen  
Assistant Professor  
PhD, University of Pennsylvania, The Wharton School  
Areas of Interest: Network economics, e-commerce platforms, social networks, sustainability methods: analytical models in microeconomics, optimization, marketing, empirical studies and consumer trials

Mani Subramani  
Associate Professor  
PhD, Boston University  
Areas of Interest: Term knowledge management, IT outsourcing, IT governance, interorganizational information systems, role of technology in leveraging intangible assets

Akhmed Umyarov  
Assistant Professor  
PhD, New York University  
Areas of Interest: Personalization, quantitative modeling of recommender systems, networks effects in e-commerce applications