

Information & Decision Sciences

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: umn.edu/CarlsonPhDIDSc



Information & Decision Sciences PhD Coordinator

De Liu

Associate Professor
PhD, University of Texas - Austin

Areas of Interest:

Economics of auctions and contests, gamification, social media and social commerce, and crowdfunding

Curriculum & Courses

Students take a minimum of 40 semester credits of coursework. Required major field coursework includes an introductory IDS PhD seminar (IDSc 8511) and four pillar IDS seminar courses (IDSc 8521, 8531, 8541, and 8721). In addition, 16 credits of methods and supporting field courses are required, which must include at least eight credits of research methods courses. These credits must be 5000-level or above and can include such courses as multivariate statistics, regression analysis, structural equation modeling, experimental design, econometrics, microeconomics, game theory, artificial intelligence, data mining, machine learning, etc.

IDSc PhD Seminars Offered:

IDSc 8511: Conceptual Topics and Research Methods in IDSc

IDSc 8521: Information System Development

IDSc 8531: Organizational Theory and Research in Information Systems

IDSc 8541: Intro to Economics of Information Systems

IDSc 8620: Data Mining and Personalization

IDSc 8721: Behavioral Decision Theory

IDSc 8801: Special Topics

Admissions Statistics (Fall 2017)

41

Applications



4

Admissions Offers

2

Acceptances

12

Program size

29

Average age in program

N/A

Average GRE (before August 2011)

323

Average GRE (after August 2011)

715 Average GMAT

Information and Decision Sciences Faculty

Gediminas Adomavicius

*Department Chair, Professor and Carolyn I. Anderson Chair 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 Curtis L. Carlson Chair in Business Analytics and Information Systems;
Academic Director, Carlson Analytics Lab;
Program Director, Master of Business Analytics
PhD, University of Connecticut*

Areas of Interest: Personalization technologies and data mining, electronic markets

Sofia Bapna

*Assistant Professor
PhD, University of Minnesota*

Areas of Interest: Strategies used by entrepreneurial ventures in digital contexts such as equity crowdfunding and online social networks, to influence their legitimacy and to acquire resources

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, New York University*

Areas of Interest: Social and economic impacts of the internet, health IT and economics, social media, online advertising, and e-commerce

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

Brad Greenwood

*Associate Professor
PhD, University of Maryland-College Park*

Areas of Interest: Consequences of innovation, population health, information systems economics, healthcare IT, entrepreneurship, information availability

Alok Gupta

*Associate Dean of Faculty and Research;
Professor and Curtis L. Carlson Chair of Information Management
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

De Liu

*Associate Professor
PhD, University of Texas-Austin*

Areas of Interest: Economics of auctions and contests, gamification, social media and social commerce, crowdfunding

Edward McFowland

*Assistant Professor
PhD, Carnegie Mellon University*

Areas of Interest: Large-scale statistical machine learning, computational social science, data science, and anomalous pattern detection

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

*Associate 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

Yicheng Song

*Assistant Professor
PhD, Boston University*

Areas of Interest: Data science, machine learning and economics, structural modeling in retail analytics, recommender systems and crowdfunding platforms

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