

# PhD IN BUSINESS

## Information Systems Concentration

Bentley is unique in its strong commitment to Information Systems, with two departments specializing in IS research and teaching: Information and Process Management and Computer Information Systems. Successful applicants would be advised by a faculty member in the department most closely aligned with the doctoral student's interest areas, and would be encouraged to intermingle with faculty and students across departments and elsewhere across the University.

### DIRECTOR OF PhD PROGRAMS



**JAY C. THIBODEAU**

- Research interests: External auditing process, cognitive characteristics of experts, big data in financial statement auditing
- As director, Jay is passionate about developing highly productive scholars and outstanding classroom teachers.

### WORLD-CLASS FACULTY



**TAMARA BABAIAN**

Research interests: Intelligent and collaborative interfaces, human-computer interaction, usability



**MONICA GARFIELD**

Research interests: Use of data, health IT and IT-based solutions for reducing homelessness, IT to improve creativity



**MARCO MARABELLI**

Research interests: Technology use in the workplace, ethical implications of emerging technologies, algorithms and artificial intelligence, technologies and D&I



**M. LYNNE MARKUS**

Research interests: Social and ethical issues in IT design and use, IT organizational design and governance



**SANDEEP PURAO**

Research interests: Design and evaluation of IT-based solutions for societal problems such as health information, fake news, and homelessness



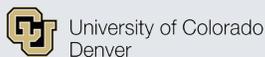
**JENNIFER XU**

Research interests: Business analytics and intelligence, artificial intelligence, human-computer interaction, fintech, electronic commerce, healthcare

### PROGRAM FEATURES

- One of only two PhD programs in the United States accredited by both AACSB and EQUIS, and the only program in the United States with membership in the European Doctoral Association in Management and Business Education (EDAMBA).
- Access to a faculty adviser in your area of interest from day one, working with them on research projects over the course of the program.
- Free tuition and student health insurance, plus a generous stipend for the first four years, with a fifth year of funding possible. Students also receive research and conference support.
- A broad interdisciplinary foundation with emphasis on business, technology and society.
- Methodology courses, including both quantitative and qualitative courses, as well as a specialized course in experimental design.
- An inclusive community committed to producing high-quality research.
- Located just nine miles from the heart of Boston.

## RECENT BENTLEY PHD PLACEMENTS



## SELECTED RESEARCH BY INFORMATION SYSTEM FACULTY, PHD STUDENTS AND ALUMNI

- C.B. Williams, J. Fedorowicz, A. Kavanaugh, K. Mentzer, J.B. Thatcher, and J. Xu. (2018). "Leveraging Social Media: The community Policing Case," *Government Information Quarterly*, 35 (2), 210-222.
- Gantman, S and Fedorowicz, J. Decision Factors for IT Outsourcing in the Public Sector, *Communications of the Association for Information Systems*. Forthcoming.
- D'Andreta, D., Marabelli, M., Newell, S., Scarbrough, H., Swan, J. (2016). Dominant Cognitive Frames and the Innovative Power of Social Networks. *Organization Studies*, 37 (3), 293-321.
- Fedorowicz, J., Sawyer, S., and Tomasino, A. (2018). Governance Patterns of U.S. Public Safety Networks: A Fuzzy Set Qualitative Comparative Analysis. *Journal of Information Technology*. Vol. 33, no. 4, 2018, pp. 326-344.
- Stahl, Bernd Carsen, and M. Lynne Markus. (2021). Let's Claim the Authority to Speak out on the Ethics of Smart Information Systems. *MIS Quarterly*, 45(1):485-488..
- Hansen, S., Gogan, J. L., Baxter, R. J., Garfield, M. J. (2019). Informed collaboration in health care: An embedded-cases study in geriatric telepsychiatry. *Information Systems Journal*, 29(2), 514-547.
- Nan, W. V., Zhu, X., Markus, M. (2020). What We Know and Don't Know about the Socioeconomic Impacts of Mobile Money in Sub-Saharan Africa: A Systematic Literature Review. *Electronic Journal of IS in Developing Countries*.
- Maass, W., Parsons, J., Purao, S., Storey, V.C. and Woo, C., (2018). Data-Driven Meets Theory-Driven Research in the Era of Big Data: Opportunities and Challenges for Information Systems Research. *Journal of the Association for Information Systems*, 19(12), pp.1253-1273.
- Marabelli, M., Vaast, E., & Li, J. L. (2021). Preventing the digital scars of COVID-19. *European Journal of Information Systems*, 1-17.
- Marabelli, M., Newell, S., Handunge, V. (2021) The Lifecycle of Algorithmic Decision-Making Systems: Organizational Choices and Ethical Challenges. *Journal of Strategic Information Systems*.
- Mengesha, G., Garfield, M. J. (2019). A contextualized IT adoption and use model for telemedicine in Ethiopia. *Information Technology for Development*, 25(2), 1-20.
- Purao, S., M. Garfield, X. Gu, and P. Bhetwal. (2019). Predicting the Slide to Long-Term Homelessness. *IEEE Conference on Business Informatics. Moscow, Russia*.
- Rowe, Frantz, and M. Lynne Markus. (2021). Theoretical Diversity in IS Research: A Causal Structure Framework, in Willcocks, Leslie, and Nik Rushdi Hassan (Eds.), *Advancing Information Systems Theories*, Springer Nature, pp. 75-130.
- T. Babaian, J. Xu, and W. Lucas. (2018). ERP Prototype with Built-in Task and Process Support, *European Journal of Information Systems*, 27(2), pp. 189-206.
- Xu, J., Fedorowicz, J., & Williams, C. B. (2019). Effects of symbol sets and needs gratifications on audience engagement: contextualizing police social media communication. *Journal of the Association for Information Systems*, 20(5), 5.

### FOR GENERAL AND ADMISSIONS QUESTIONS

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### FACULTY CONTACTS

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**(CIS)** Monica Garfield, Professor of Computer Information Systems.  
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### APPLICATION DEADLINE:

**January 5, 2022**

Early applications are encouraged.

[bentley.edu/phd](http://bentley.edu/phd)