

# JORDAN B. BARLOW

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## EDUCATION

**Ph.D., Information Systems**, Kelley School of Business, Indiana University, June 2015  
Dissertation advisor: Alan R. Dennis

**Master of Information Systems Management**, Ph.D. Preparation Track, Marriott School of Management, Brigham Young University, April 2010  
Ph.D. preparation advisor: Paul Benjamin Lowry

**Bachelor of Science, Information Systems**, *Cum Laude*, Marriott School of Management, Brigham Young University, April 2010

## ACADEMIC POSITIONS HELD

- *Assistant Professor*, Opus College of Business, **University of St. Thomas** (January 2021-present)
- *Assistant Professor*, Graduate Programs in Software, School of Engineering, **University of St. Thomas** (September 2018-December 2020)
- *Assistant Professor*, Information Systems & Decision Sciences, Mihaylo College of Business & Economics, **California State University, Fullerton** (July 2015-August 2018)
- *Associate Instructor*, Operation and Decision Technologies, Kelley School of Business, **Indiana University** (Aug 2013-July 2015)
- *Managing Editor*, **MIS Quarterly Executive** (Dec 2013-Jun 2015)

## RESEARCH

**Research interests:** My research interests involve examining human behavior in technology-mediated environments. Specifically, my research includes (1) computer-mediated communication and collaboration, (2) effects of individual characteristics on technology-related behavior, and (3) communication and behavior related to information security.

**Citations** (Google Scholar): As of 9-Jun-2022, my work has been cited **997** times. My h-index = 10.

### Peer-reviewed journal articles

1. Graf-Drasch, V., Gimpel, H., [Barlow, J.B.](#), and Dennis, A.R. (forthcoming). Task structure as a boundary condition for collective intelligence. *Personnel Psychology*. DOI: 10.1111/peps.12489

2. Dennis, A.S., Barlow, J.B., and Dennis, A.R. (2022). The power of introverts: Personality and intelligence in virtual teams. *Journal of Management Information Systems*, 39(1), 102-129.
3. Barlow, J.B., Warkentin, M., Ormond, D., and Dennis, A.R. (2018). Don't even think about it! The effects of anti-neutralization, informational, and normative communication on information security compliance. *Journal of the Association for Information Systems*, 19(8), 689-715.
4. Silic, M., Barlow, J.B., and Back, A. (2018). Evaluating the role of trust in adoption: A conceptual replication in the context of open source systems. *AIS Transactions on Replication Research*, 4(1), 1-17.
5. Silic, M., Barlow, J.B., and Back, A. (2017). A New Perspective on Neutralization and Deterrence: Predicting Shadow IT Usage. *Information & Management*, 54(8), 1023-1037.
6. Barlow, J.B., and Dennis, A.R. (2016). Not As Smart As We Think: A Study of Collective Intelligence in Virtual Groups. *Journal of Management Information Systems*, 33(3), 684-712.
7. Wall, J.D., Lowry, P.B., and Barlow, J.B. (2016). Organizational violations of externally governed privacy and security rules: Explaining and predicting selective violations under conditions of strain and excess. *Journal of the Association for Information Systems*, 17(1), 39-76.
8. Barlow, J.B., Warkentin, M., Ormond, D., and Dennis, A.R. (2013). Don't make excuses! Discouraging neutralization to reduce IT policy violation. *Computers & Security*, 39, 145-159. [Nominated for NSA 2013 Best Scientific Cybersecurity Paper]
9. Lowry, P.B., Moody, G.D., Gaskin, J., Galletta, D.F., Humpherys, S., Barlow, J.B., and Wilson, D.W. (2013). Evaluating journal quality and the Association for Information Systems Senior Scholars' journal basket via bibliometric measures: Do expert journal assessments add value? *MIS Quarterly*, 37(4), 993-1012.
10. Bartelt, V., Dennis, A.R., Yuan, L., and Barlow, J.B. (2013). Individual priming in virtual team decision-making. *Group Decision and Negotiation*, 22(5), 873-896.
11. Barlow, J.B., Giboney, J.S., Schuetzler, R.M., Wilson, D.W., Keith, M.J., Lowry, P.B., and Vance, A. (2011). Overview and guidance on agile development in large organizations. *Communications of the AIS*, 29(2), 25-44.

### **Conference and workshop papers and posters: Peer-reviewed**

\* = Delivered oral presentation at this conference/workshop

1. Mitra, S. and \*Barlow, J.B. (2022). Perceptions of Risk and Security Concerns with Mobile Devices using Biometric vs Traditional Authentication Methods. Americas Conference on Information Systems (AMCIS), Aug 11-13, 2022.

2. Ormond, D. and \*Barlow, J.B. (2022). Security Warning Messages Research: Past and Future. Midwest Association for Information Systems Conference (MWAIS), May 16-17, 2022. (*~53% acceptance rate*)
3. Yuan, L. and \*Barlow, J.B. (2021). Sensitive to the Digital Touch? Exploring Sensory Processing Sensitivity and Its Impact on Anthropomorphized Products in E-Commerce. 54<sup>th</sup> Annual Hawaii International Conference on System Sciences (HICSS), Jan 4-9, 2021. (*~47% acceptance rate*)
4. \*Barlow, J.B. and Mitra, S. (2020). The effect of trust in authentication methods on risk perceptions and security concerns when using mobile devices. IFIP WG 8.11 Dewald Roode Information Security Workshop, Iowa State University, Oct 2-3, 2020.
5. \*Barlow, J.B. (2019). Emergent roles in computer-mediated synchronous virtual groups. 52<sup>nd</sup> Annual Hawaii International Conference on System Sciences (HICSS), Wailea, HI, Jan 8-11, 2019. (*~50% acceptance rate*)
6. \*Bhagwatwar, A., Bala, H., and Barlow, J.B. (2017). We're in this together: The role of team characteristics in enterprise process execution and performance. 50<sup>th</sup> Annual Hawaii International Conference on System Sciences (HICSS), Waikoloa, HI, Jan 4-7, 2017. (*~50% acceptance rate*)
7. \*Barlow, J.B. (2016). Work smarter, not harder: Understanding and leveraging group member intelligence in collaborative work. Academy of Management Annual Meeting, Anaheim, CA, Aug 7-9, 2016. (*47% acceptance rate for OCIS division presentations*)
8. Silic, M., Barlow, J.B., and \*Ormond, D. (2015). Warning! A comprehensive model of the effects of digital information security warning messages. IFIP WG 8.11 Dewald Roode Information Security Workshop, Newark, DE, Oct 2-3, 2015.
9. \*Barlow, J.B. (2013). Decision-making tasks using group chat: Emergent role structures. 16<sup>th</sup> ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW), San Antonio, TX, Feb 23-27, 2013. (*36% acceptance rate for oral presentations*)
10. \*Barlow, J.B., Warkentin, M., Ormond, D., and Dennis, A.R. (2012). Don't make excuses! Framing security training to reduce neutralization for policy violation. IFIP WG 8.11 Dewald Roode Information Security Workshop, Provo, UT, Sept 21-22, 2012.

### **Conference papers and posters: Selected by editorial panel**

*\* = Delivered oral presentation at this conference/workshop*

1. Graf-Drasch, V., Gimpel, H., and Barlow, J.B. (2019). Clarifying the structure of collective intelligence in teams: A meta-analysis. **[Poster]** Collective Intelligence 2019, Carnegie Mellon University, Pittsburgh, PA, June 13-14, 2019.
2. \*Barlow, J.B. (2017). Collective intelligence and its relationship to collective individual intelligence. Collective Intelligence 2017, NYU, New York City, NY, June 15-16, 2017. (*<43% acceptance rate for oral presentations*)

3. Barlow, J.B. (2017). Emergent roles in computer-mediated collective work. **[Poster]** Collective Intelligence 2017, NYU, New York City, NY, June 15-16, 2017.
4. \*Barlow, J.B., and Dennis, A.R. (2016). Group coordination structuring: A process to facilitate collective intelligence in virtual group work. Collective Intelligence 2016, NYU, New York City, NY, June 1-3, 2016. (*<36% acceptance rate for oral presentations*)
5. \*Barlow, J.B., and Dennis, A.R. (2014). Not as smart as we think: A study of collective intelligence in virtual groups. Collective Intelligence 2014, MIT, Cambridge, MA, June 10-12, 2014. (*<16% acceptance rate for oral presentations*)
6. Barlow, J.B., and Dennis, A.R. (2014). The differing effects of intelligence in collaborative tasks. **[Poster]** Collective Intelligence 2014, MIT, Cambridge, MA, June 10-12, 2014.

### **Invited editorials (Non-peer-reviewed)**

1. Barlow, J.B. (May 2015). Foreword. *MISQE Theme Book on Privacy and Security* (MIS Quarterly Executive: Bloomington, IN, USA).  
[[Click here for more information about MISQE books](#)]

### **Invited presentations (Non-peer-reviewed)**

1. Barlow, J.B. (2020). Collective intelligence and collective individual intelligence in virtual collaboration. University of St. Thomas Opus College of Business. Minneapolis, MN, February 2020.
2. Barlow, J.B. (2017). Group coordination structuring: A new approach for virtual groups to eliminate bias and leverage strengths of individual members. University of Nevada—Las Vegas. Las Vegas, NV, October 2017.
3. Barlow, J.B. (2015). Roles and tasks in computer-mediated groups: 2 projects taking new perspectives on virtual group outcomes. Center for Computer-Mediated Communication Symposium. Indiana University, Bloomington, IN, March 2015.  
[[Click here for presentation slides](#)]
4. Barlow, J.B. (2014). Work smarter, not harder: Understanding and leveraging individual and collective intelligence in virtual groups. University of Nebraska at Omaha. Omaha, NE, November 2014.  
[[Click here for presentation slides](#)]
5. Barlow, J.B. (2014). Work smarter, not harder: Understanding and leveraging individual and collective intelligence in virtual groups. California State University, Fullerton. Fullerton, CA, November 2014.  
[[Click here for presentation slides](#)]
6. Barlow, J.B., and Dennis, A.R. (2013). Not as smart as we think: A study of collective intelligence in virtual groups. BYU I.S. Research Symposium, Brigham Young University. Provo, UT, October 2013.  
[[Click here for presentation slides](#)]

7. Barlow, J.B. (2013). Emergent roles in group decision making. Big 10 I.S. Symposium, University of Minnesota. Minneapolis, MN, May 2013.  
[[Click here for presentation slides](#)]

## Grants Received

- Research Grant (internal grant from University of St. Thomas), 2021-2022. “*The Effect of Trust in Authentication Methods on Risk Perceptions and Security Concerns when using Mobile Devices*”. Amount: \$3,250.00.
- Jr./Sr. Grant (internal grant from CSU Fullerton), 2016-2017. “*Collective Intelligence in an Online Workforce*”. Amount: \$4,694.00

## Media Interviews and Coverage of my Research

- Kolotylo-Kulkarni, M. (2018). Interview for *Journal of the Association for Information Systems* social media outlets. Retrieved June 2019 from <https://www.facebook.com/JournaloftheAIS/videos/442414949624797/>
- Marcos, A. (2017). Tools to Help You Learn No Matter Where You Are. *CSU System News* (30 May 2017). Retrieved July 2017 from <https://www2.calstate.edu/csu-system/news/Pages/Tools-to-Help-You-Learn-No-Matter-Where-You-Are.aspx>. (CSU System News covers stories from across all 23 CSU campuses.)
- CSUF News Service (March 1, 2017). Creating Successful Online Teams: Business Researcher Seeks Clues to Improve Performance. Retrieved July 2017 from <http://news.fullerton.edu/2017wi/Barlow-Online-Team-Study.aspx>.
- Barlow, J.B. and Dennis, A.R. (2017). ‘Collective intelligence’ is not necessarily present in virtual groups. *LSE Business Review* (11 Jan 2017). Retrieved July 2017 from <http://eprints.lse.ac.uk/79761/>.

## TEACHING

**Teaching interests:** I enjoy teaching courses with both technical and conceptual elements, including data analytics, database, programming, and systems analysis & design. I’ve enjoyed teaching online, hybrid, and traditional courses at both undergraduate and graduate levels.

### Courses taught:

*Operations and Supply Chain Management, Opus College of Business, University of St. Thomas (Jan 2021-Present)*

- **Overall teaching evaluation average at UST: 4.48/5 (range 3.6-5.0)**
- Spring 2022
  - OPMT-300: Operations and Supply Chain Management: Section 03 (3.6/5)
  - OPMT-300: Operations and Supply Chain Management: Section 04 (4.2/5)
  - BUAN-620: Data Life Cycle for Business Analytics: Section 201 (4.6/5)
  - BUAN-650: Applied Advanced Business Statistics: Section 202 (4.4/5)
- Fall 2021

- OPMT-300: Operations and Supply Chain Management: Section 03 (4.1/5)
- OPMT-300: Operations and Supply Chain Management: Section 04 (3.9/5)
- BUAN-600: Introduction to Business Analytics: Section 201 (4.5/5)
- Spring 2021
  - OPMT-300: Operations and Supply Chain Management: Section 03 (4.1/5)
  - OPMT-300: Operations and Supply Chain Management: Section 04 (3.8/5)
  - OPMT-621: Spreadsheet Modeling and Visualization: Section 201 (4.4/5)
  - OPMT-621: Spreadsheet Modeling and Visualization: Section 202 (4.5/5)
- **Overall teaching evaluation average in OCB: 4.19/5 (range 3.6-4.6)**

*Graduate Programs in Software, University of St. Thomas (Sept 2018-Dec 2020)*

- Fall 2020
  - Database Management Systems & Design: Section 02 (4.8/5)
  - Database Management Systems & Design: Section 03 (4.8/5)
  - Database Management Systems & Design: Section 04 (5.0/5)
- Spring 2020
  - Database Management Systems & Design: Section 01 (4.7/5)
  - Database Management Systems & Design: Section 02 (4.4/5)
  - Database Management Systems & Design: Section 03 (4.8/5)
- Fall 2019
  - Database Management Systems & Design: Section 02 (4.6/5)
  - Database Management Systems & Design: Section 03 (4.0/5)
  - Database Management Systems & Design: Section 04 (4.3/5)
  - Independent Study: Social media analytics using Python
- Spring 2019
  - Database Management Systems & Design: Section 02 (4.6/5)
  - Database Management Systems & Design: Section 03 (5.0/5)
- Fall 2018
  - Database Management Systems & Design: Section 02 (4.8/5)
  - Database Management Systems & Design: Section 03 (4.5/5)
- **Overall teaching evaluation average in GPS: 4.63/5 (range 4.0-5.0)**

*Information Systems & Decision Sciences department, CSU Fullerton (July 2015-June 2018)*

- Database Management (July 2015-June 2018) – Average rating: 3.67/4
  - Face-to-face, undergraduate sections (2)
  - Online, undergraduate sections (3)
  - Online, graduate sections (2)
- Introduction to Programming (C#) (June 2016-June 2018) – Average rating: 3.91/4
  - Face-to-face, undergraduate sections (2)
  - Online, undergraduate sections (1)
- Systems Analysis and Design (August 2015-May 2018) – Average rating: 3.76/4
  - Face-to-face, undergraduate sections (3)
  - Online, undergraduate sections (5)
- IT Security and Privacy (August 2017-December 2017) – Average rating: 3.69/4
  - Online, graduate section (1)
- Independent Study: Data analytics using R (January 2017-May 2018)
  - 3 graduate students and 1 undergraduate student
- Independent Study: Advanced SQL for database administration (Spring 2017)
  - 1 graduate student

- Independent Study: Academic research in information systems (Ph.D. prep) (Spring 2017)
  - 1 graduate student
- **Overall teaching evaluation average at CSUF: 3.75/4 (range 3.52-3.94)**
- By comparison, avg dept scores by semester during my employment ranged from 3.16-3.59
- On average, I scored 0.41 (10%) higher than my dept average (range 0.17-0.68)

*Kelley School of Business, Indiana University (Aug 2013-May 2014)*

- The computer in business (Excel & Access) (Spring 2014) – Average rating: 6.77/7
  - Face-to-face, undergraduate section (1)
- Accounting information systems (Fall 2013) – Average rating: 5.50/7
  - Hybrid (flipped classroom), undergraduate section (1)

**Professional development and continuing education workshops**

- Database Management Systems session (3-hr workshop) for Graduate Programs in Software mini-masters programs (2019-2020)
  - DBMS session, Mini Master of Information Technology, October 2020
  - DBMS session, Mini Master of Big Data & AI, March 2020
  - DBMS session, Mini Master of Information Technology, March 2020
  - DBMS session, Mini Master of Big Data, October 2019
  - DBMS session, Mini Master of Information Technology, October 2019
  - DBMS session, Mini Master of Big Data, June 2019
  - DBMS session, Mini Master of Information Technology, June 2019

**Teaching materials developed for widespread use (August 2015-June 2018)**

- Set of 40 Systems Analysis & Design lecture videos (created 2015-2016)
  - [https://www.youtube.com/playlist?list=PLCLbf8d2YbrUMKdKR9QLsTvX4\\_hwrZeNS](https://www.youtube.com/playlist?list=PLCLbf8d2YbrUMKdKR9QLsTvX4_hwrZeNS)
  - Over 145,000 views on YouTube
  - Used by several instructors both at CSUF and other universities
- Set of 28 Introductory Programming (C#) lecture/example videos (created June 2018)
  - <https://www.youtube.com/playlist?list=PLCLbf8d2YbrWoZMrNGEPjOovomNiekCoG>
  - Over 3000 views on YouTube
  - Used by several instructors at CSUF

**Industry teaching experience at LDS Missionary Training Center (Apr 2008-Jan 2010)**

- I designed and taught short courses about both Microsoft products and software developed in-house. In some cases, students were the IT Help Desk staff of the organization. In other cases, students were non-IT employees.
- I also developed training videos to introduce and explain in-house software to new employees in the organization.

**PROFESSIONAL ACTIVITIES AND SERVICE**

**Association for Information Systems (AIS) Committees and Task Forces**

- Chair, AIS Doctoral Student Service Award committee (July 2018 – June 2020)
- Member, AIS Doctoral Student Service Award committee (July 2017 – June 2020)
- Member, AIS Task Force on Author Resources for AIS Journals (Jan – Apr 2017)

## **Association for Information Systems (AIS) Task Force Coordinator (informal Aug 2014-March 2017; official AIS role March 2017 – June 2018)**

*In this role, I helped AIS track active task forces. I also consulted with task force chairs on task force processes, tools, and technologies (based on my collaboration research). I facilitated all processes and virtual tools for six task forces and followed up on progress of several others.*

### **Associate Editor (AE) positions**

- Guest coordinating editor, *Information Systems Frontiers*, (2020)
- *European Journal of Information System (EJIS)* Special Issue on Gamification of Information Systems (2019)
- International Conference on Information Systems: Human Behavior and IS track (2018)
- International Conference on Information Systems: Social Media and Digital Collaboration track (2017)
- International Conference on Information Systems: IT Implementation, Adoption, and Use track (2015)

### **Editorial review boards (18 reviews on 10 manuscripts)**

- *Decision Sciences Journal* (2020-present)
- *Frontiers in Psychology* (2015-2017)
- *European Journal of Information Systems (EJIS)* Special Issue on Information Privacy and Security (2016)

### **Ad hoc peer reviewer (2009-present) (180+ reviews on 135+ manuscripts)**

- Journals: *MIS Quarterly (MISQ)*, *Information Systems Research (ISR)*, *Journal of MIS (JMIS)*, *Journal of the AIS (JAIS)*, *Decision Sciences (DSJ)*, *Information & Management (I&M)*, *European Journal of Information Systems (EJIS)*, *Information Systems Journal (ISJ)*, *Journal of Strategic Information Systems (JSIS)*, *Nature: Human Behavior (Nat. Hum. Behav.)*, *Decision Support Systems (DSS)*, *DataBase for Advances in Information Systems (DB)*, *IEEE Transactions on Software Engineering (TSE)*, *Journal of Information Technology (JIT)*, *Communications of the AIS (CAIS)*, *Journal of the Association for Information Science & Technology (JASIST)*, *Group Decision & Negotiation (GRUP)*, *AIS Transactions on Replication Research (AIS TRR)*, *Electronic Commerce Research and Applications (ECRA)*, *Journal of International Management (JIM)*, *Journal of Intellectual Capital (JIC)*, *Computers in Human Behavior (CHB)*, *Nature Human Behaviour (NHB)*, *New Media & Society (NM&S)*, *Internet Research*
- Conferences: Hawaii International Conference on Systems Sciences (**HICSS**), International Conference on Information Systems (**ICIS**), ACM's CHI Conference on Human Factors in Computing Systems (**CHI**), ACM's Computer Supported Cooperative Work and Social Media (**CSCW**), Americas Conference on IS (**AMCIS**), European Conference on IS (**ECIS**), Pacific Conference on IS (**PACIS**), Academy of Management Annual Meeting (**AOM**), Conference of the Midwest Association for Information Systems (**MWAIS**), IFIP WG 8.11 Dewald Roode Information Security Workshop, Pre-ICIS Workshop on Digitization of the Individual

### **Industry Work Experience**

- *Small Business Technology Advisor, Squire & Co., PC* (Jan 2010-Aug 2011)
  - I consulted a wide variety of small businesses, working on business process modeling, implementation and customization of accounting and CRM software, and custom database reports.



- *Member of ad hoc student consulting team, Marriott School of Management, Brigham Young University (Jan 2010-Apr 2010)*
  - As part of a consulting course, I worked with other students in an ad hoc consulting engagement for Wal-Mart's corporate IS department.
- *Supervisor of IT Training, LDS Missionary Training Center (Aug 2008-Jan 2010)*
  - Designed and taught short courses about both Microsoft products and software developed in-house.
  - Developed training videos to introduce and explain in-house software to new employees in the organization.
- *IT Trainer, LDS Missionary Training Center (Apr 2008-Aug 2008)*
  - Taught short courses about Microsoft products to IT Help Desk staff as well as non-IT employees.
  - Developed training materials for the IT Help Desk.

### **SERVICE: UNIVERSITY OF ST. THOMAS**

#### **University-Level**

- University Technology Advisory Committee (Sep 2020-present)
- 2025 Strategic Planning Task Force (Jan-Sept 2020)

#### **College-Level (Opus College of Business)**

- Assurance of Learning (AoL) committee for MSBA and Business Analytics certificate programs

#### **Department-Level (Operations and Supply Chain Management)**

- Assurance of Learning (AoL) assessments (Jan 2021-present)

#### **Department-Level (Graduate Programs in Software)**

- Feasibility study for developing ERP certificate program and/or SAP recognition certificate (May 2019-June 2020)
- Faculty liaison for Twin Cities Data Engineering Meetup (Feb-May 2019)

### **SERVICE: CALIFORNIA STATE UNIVERSITY, FULLERTON**

#### **College-Level (Mihaylo College of Business & Economics)**

- Interviewer, Mihaylo Honors Program recruitment day (Spring 2016)

#### **Department-Level (Information Systems & Decision Sciences)**

- Coordinator: Information Systems Research Colloquium (Jan 2016-May 2018)
- Representative: Welcome to CSUF Day (Apr 2018)
- Representative: Transfer Student Day (Aug 2017)

### **SERVICE: INDIANA UNIVERSITY**

#### **University-Level**

- Advisory Board, Indiana University Workshop in Methods series (Aug 2014-June 2015)

#### **College-Level (Kelley School of Business)**

- Officer: Doctoral Student Association (Aug 2013-June 2014)

#### **Department-Level (Operations & Decision Technologies)**

- Site Administrator: Sona, a research lab sign-up website (Aug 2012-June 2015)

### **ACADEMIC AWARDS AND HONORS**

- UST Research Grant Recipient (2021-2022)
- CSU Fullerton Jr./Sr. Grant Recipient (2016-2017)
- AIS Doctoral Student Service Award (December 2015)
- ICIS Doctoral Consortium Fellow (December 2014)
- Outstanding Graduate Student Award, Indiana University Graduate and Professional Student Organization (awarded to three of IU's 10,000+ graduate students) (2014)
- Operations and Decision Technologies Department Fellowship (2012-2015)
- Best Reviewer Award, Dewald Roode Information Security Workshop (Sept 2012)
- Dean's Fellowship, Kelley School of Business (2011-2012)

### **AFFILIATIONS**

- Association for Information Systems (AIS) (Oct 2010-present)
- IU Center for Computer-Mediated Communication (CCMC) (2015-present)
- Academy of Management (AOM), OCIS Division (Feb 2016-Feb 2018)
- Intuit QuickBooks Certified ProAdvisor (Jan 2010-Dec 2011)
- Association for Systems Management, BYU (Sept 2007-Apr 2010)