Indika Dissanayake
Associate Professor
Isenberg School of Management, University of Massachusetts Amherst
idissanayake@isenberg.umass.edu

## Education

**The University of Texas at Arlington**

Ph.D. in Business Administration with a major in Information Systems (Summer 2015)

Dissertation Topic: Crowdsourcing Competitions

**The University of Texas at Dallas**

M.S. in Information Technology and Management (Fall 2009)

**The University of Moratuwa**, Sri Lanka. (2004)

B.S. in Electrical Engineering

## Academic Experience

**Associate Professor**, Operations and Information Management, Isenberg School of Management, University of Massachusetts Amherst.

**Associate Professor**, Department of Information Systems and Supply Chain Management, Bryan School of Business and Economics, The University of North Carolina at Greensboro. (August 2023 – June 2024).

**Assistant Professor**, Department of Information Systems and Supply Chain Management, Bryan School of Business and Economics, The University of North Carolina at Greensboro. (August 2016 – July 2023).

**Visiting Assistant Professor**, Supply Chain and Information Management, D’Amore-McKim School of Business, Northeastern University. (August 2015 - June 2016).

**Graduate Teaching Assistant**, College of Business, The University of Texas at Arlington. (August 2011 - May 2015).

## Awards and Honors

* **2022 Junior Faculty Research Excellence Award**, Bryan School of Business and Economics, UNCG.
* **2020 Junior Faculty Teaching Excellence Award**, Bryan School of Business and Economics, UNCG.
* **2020-2022 Margaret Hill Dean’s Notable Scholar**, Bryan School of Business and Economics, UNCG.
* Nominated for ATEA James Y Joyner Award for Teaching Excellence, Alumni Teaching Excellence Awards. (2020).
* Dean’s Scholarship, the University of Texas at Arlington. (Summer 2015)
* Dissertation Fellowship, the University of Texas at Arlington. (Summer 2015)
* Runner-up for the Outstanding Paper Award, AMCIS (2014).

## Publications

### Journal Article

* Dissanayake, I., Yasar, M., Nerur, S., & Vaghefi, M. Driving the Innovation Race: Unraveling the Effect of Competitiveness in Crowdsourcing Contests, *Journal of Management Information Systems* (accepted).
* Han, Y., Modaresnezhad, M., Dissanayake, I., Mehta, N., & Nemati, H. R. (2023) The Anatomy of Misinformation Diffusion on Social Media: An Exploratory Investigation and Agenda for Future Research, *Discourse & Communication* (accepted).
* Dissanayake, I., Jeyaraj, A., & Nerur, S. (2021). The Impact of Structure and Flux of Corporate Boards on Organizational Performance: A Perspective from the Information Technology Industry. *Journal of Strategic Information Systems*, *30*(2).
* Dissanayake, I., Nerur, S., Wang, J., Yasar, M., & Zhang, J. (2021). The Impact of Helping Others in Coopetitive Crowdsourcing Communities. *Journal of Association for Information Systems*, *22*(1).
* Dantu, R., Dissanayake, I., & Nerur, S. (2021). Exploratory Analysis of Internet of Things (IoT) in Healthcare: A Topic Modeling & Co-citation Approaches. *Information Systems Management*, *38*(1), 62–78.
* Dhillon, G. S., Smith, K. J., & Dissanayake, I. (2021). Information Systems Security Research Agenda: Exploring the Gap Between Research and Practice. *Journal of Strategic Information Systems*, *30*(4).
* Dissanayake, I., Mehta, N., Palvia, P., Taras, V., & Amoako-Gyampah, K. (2019). Competition Matters! Self-Efficacy, Effort and Performance in Crowdsourcing Teams. *Information & Management*, *56*(8).
* Dissanayake, I., Nerur, S., Singh, R., & Lee, Y. (2019). Healthcare Crowdsourcing: Harnessing the “Wisdom of the Crowd” to Solve Medical Mysteries. *Journal of Association for Information Systems*, *20*(11), 1589–1610.
* Dissanayake, I., Zhang, J., Yasar, M., & Nerur, S. (2018). Strategic Effort Allocation in Online Innovation Tournaments. *Information & Management*, *55*, 396–406.
* Dissanayake, I., Zhang, J., & Gu, B. (2015). Task Division for Team Success in Crowdsourcing Contests: Resource Allocation and Alignment Effects. *Journal of Management Information Systems*, *32*(2), 8–39.

## Conference Proceedings and/or Presentations

* Mahmud, S. A. and Dissanayake, I., "Temporal Constraints and Exclusivity: Exploring Consumer Behaviors in Freemium Gaming Models" (2024). AMCIS 2024 Proceedings.
* Rahman, M. T. and Dissanayake, I., "Impact of security awareness on joining in vulnerability reward programs" (2024). AMCIS 2024 Proceedings.
* Mohsin, M., Dissanayake, I., and Iyer, L., "Digital Entrepreneurship and Innovation: The Sustainability Edge in Crowdfunding Projects" (2024). AMCIS 2024 Proceedings
* Dissanayake, I., Yasar, M., Nerur, S., & Vaghefi, M. An Empirical Investigation of Situational Factors Affecting Performance in Crowdsourcing Contests, Institute for Operations Research and the Management Sciences (INFORMS), 2023.
* Maksimov, V., Dissanayake, I., Memili, E., Taras, V., Strategic Management Society's 2022 SMS Special Conference, "Leveraging the Knowledge and Imagination of the Global Crowd to Improve Managerial Decisions," Milan, Italy. (2022)
* Malik G, Dissanayake I, Iyer L, Xiong J. An Exploratory Study of Airbnb Customer Reviews and Impact of COVID - 19. Minneapolis, MN.: Proceedings of the Americas Conference on Information Systems (AMCIS), 2022.
* Dissanayake, I., “Engineer to Management Scholar: My Experience on Higher Education in United States,” Gampaha Wickramarachchi University of Indigenous Medicine, Sri Lanka. (March 2022).
* Dissanayake, I., Proceedings of the International Conference on Information Systems (ICIS)., “Team Formation and Performance in Online Crowdsourcing Competitions: The Role of Homophily and Diversity in Solver Characteristics,” Munich, Germany. (2019).
* Dissanayake, I., Nerur, S., POMS Annual Conference 2019, “Knowledge Sharing in Crowdsourcing Competitions: Role of Personality Traits,” Washington, D.C. (May 2019).
* Dantu R, Dissanayake I, Nerur S. Exploratory Analysis of Internet of Things (IoT) in Healthcare: A Topic Modeling Approach. HI: Hawaii International Conference on System Science (HICSS), 2019.
* Dissanayake, I., Nerur, S., Zhang, J., “Teammate Selection and Performance in Online Crowdsourcing Competitions,” Production and Operations Management Society (POMS) International, Kandy, Sri Lanka. (December 2018).
* Dissanayake, I., Mehta, N., Taras, V., Palvia, P., Amoako-Gyampah, K., “Role of Competition in IT Enabled Crowdsourcing Platforms: Self-Efficacy and Performance Effects.,” Production and Operations Management Society (POMS), Houston, TX. (May 2018).
* Iyer LS, Dissanayake I, Bedeley R. Doing Good Matters’: The Role of Problem Context in Improving Programming Projects. New Orleans, LA: Proceedings of the Americas Conference on Information Systems (AMCIS), 2018
* Dissanayake, I., Zhang, J., “Teammate Preference in Online Crowdsourcing Competitions,” Production and Operations Management Society (POMS), Seattle, WA. (2017).
* Dissanayake, I., Nerur, S., Singh, R., Lee, Y., “Healthcare Crowdsourcing: Harnessing the “Wisdom of the Crowd” to Solve Medical Mysteries,” Conference on Health IT and Analytics (CHITA), Washington D.C., DC. (November 2017).
* Iyer LS, Dissanayake I, Bedeley R. RISE IT for Social Good An Experimental Investigation of Context to Improve Programming Skills. Bengaluru, India: ACM SIGMIS Computers and People Research Conference, 2017
* Mehta, N., Dissanayake, I., Taras, V., Palvia, P., Amoako-Gyampah, K., “Competition, Collaboration, or Both: The Sweet Spot of Innovation Strategy for Virtual Teams,” Production and Operations Management Society (POMS), Seattle, WA. (May 2017).
* Dissanayake, I., Zhang, J., Yasar, M., “Winning Strategies in Dynamic Innovation Tournaments,” Decision Sciences Institute Meeting (DSI), Seattle, WA. (2015).
* Dissanayake, I., Zhang, J., Wang, J., Yuan, F., “Involvement in Online Crowdsourcing Communities,” Proceedings of the Americas Conference on Information Systems (AMCIS)., Fajardo, United States of America. (August 2015).
* Dissanayake, I., Zhang, J., Wang, J., Yuan, F., “Peer-recognition and Performance in Online Crowdsourcing Communities,” Hawaii International Conference on System Science (HICSS), Kauai, HI. (January 2015).
* Dissanayake, I., Zhang, J., Gu, B., “Crowdsourcing Team Performances,” Workshop on Social and Business Analytics (WSBA), Austin, TX. (2014).
* Dissanayake, I., Zhang, J., Wang, J., “Community Involvement in Virtual Crowdsourcing Communities,” Institute for Operations Research and the Management Sciences (INFORMS), San Francisco, CA. (2014).
* Dissanayake, I., Zhang, J., Gu, B., “Virtual Team Performances in Crowdsourcing Contests: Social Network Perspective,” Proceedings of the International Conference on Information Systems (ICIS), Auckland, New Zealand. (2014).
* Dissanayake, I., Zhang, J., Wang, J., “Community Involvement and Self-disclosure in Online Crowdsourcing Communities,” Decision Sciences Institute Meeting (DSI), Tampa, FL. (November 2014).
* Dissanayake, I., Zhang, J., Gu, B., “Virtual Team Performances in Crowdsourcing Contests,” Proceedings of the Americas Conference on Information Systems (AMCIS)., Savannah, GA. (August 2014). - Nominated for Outstanding Paper Award
* Dissanayake, I., Zhang, J., Gu, B., “Virtual Team Performances in Crowdsourcing Contests,” Institute for Operations Research and the Management Sciences (INFORMS), Minneapolis, MN. (2013).
* Teng, J. T. C., Dissanayake, I., Dantu, R., “Theoretical Model for Assessing User Resistance Intentions in IS Implementation,” Proceedings of the Decision Sciences Institute Meeting (DSI), Baltimore, MD. (November 2013).
* Dissanayake, I., Dantu, R., Nerur, S. P., “Knowledge Management in Software Development: The Case of Agile Software,” Proceedings of the Americas Conference on Information Systems (AMCIS)., Chicago, IL. (August 2013).

## Teaching Experience

### Bryan School of Business and Economics, The University of North Carolina.

* ISM 671 Organizing Data for Analytics (Face-to-face, Online, HyFlex); Spring 2019/ 2020/ 2021/ 2022/2023.
* ISM 755 (Ph.D. Seminar) Contemporary and Emerging Topics In Information Systems; Fall 2023
* ISM 240, Business Programming I (Face-to-face, Online); Fall 2016/ 2017/ 2018/ 2019/ 2020/ 2021/ 2022/ 2023.
* ISM 324, Secure Networked Systems (Face-to-face); Spring 2017/ 2018.

### D’Amore-McKim School of Business, Northeastern University.

* MGSC 2301, Business Statistics; Fall 2015, Spring 2016

### College of Business, The University of Texas at Arlington.

* BSTAT 3321, Business Statistics; Summer 2013, Fall 2013/ 2014.
* INSY 2303, Introduction to MIS and Data Processing, Spring 2015

## Directed Student Learning

### Graduate, Doctoral

* Dissertation Committee Chair, "The Future of Work: Rethinking and Reconceptualizing Work Due to Digitization." (2022 – 2023). Advised: Fatima Mohammed
* Dissertation Committee Member, “The effect of routinized HIT on multidimensional patient complexity on outcomes for hospitals and patients.”, ISSCM Department, UNCG (2021 - 2022). Advised: Jim Jenkins
* Dissertation Committee Member, “Disinformation Identification in Covid-19 Era.” ISSCM Department, UNCG (2021 - 2022). Advised: Yalda Esmizadeh
* Dissertation Committee Member, “The mediating effect of intrinsic motivation on perceived work uncertainty for individual information security policy compliance.” ISSCM Department, UNCG (2020 - 2021). Advised: Darin Hodges
* Dissertation Committee Member, “Examining Production, Dissemination, and Consumption of Misinformation on Social Media: the Case of COVID-19 Pandemic.” ISSCM Department, UNCG (2020 - 2021). Advised: Yuzhang Han
* Dissertation Committee Member, “three analytics-based essays examining the use and impact of intelligent voice assistants (IVA) and health information technologies (HIT) in service context.” ISSCM Department, UNCG (2020 - 2021). Advised: Brigid Appiah Otoo
* Dissertation Committee Member, “Understanding the Impact of Mobile Payment on Consumer Behavior.” ISSCM Department, UNCG (2019 - 2020). Advised: Ruoning Qian
* Dissertation Committee Member, “The Impact of Ambient Awareness on Customer’s Purchase Intention.” ISSCM Department, UNCG (2019). Advised: Zahra Yarmohammadi
* Dissertation Committee Member, “Do You Regret Using Social Media? Understanding the Role of Dark Side of Social Media in Regret and Discontinuance Behavior.” ISSCM Department, UNCG (2017 - 2019). Advised: Ziyue Huang
* Dissertation Committee Member (External), “Three essays in Behavioral Operations Management and Gamification.” Information Systems and Operation Management, The University of Texas at Arlington (2018 - 2019). Advised: Sina Zare
* Dissertation Committee Member, “Information Technology Enabled Followership on Social Media Platforms: A Multimethod Analysis of Twitter.” ISSCM Department, UNCG (2017 - 2018).
Advised: Vishal Uppala
* Dissertation Committee Member, “Strategic Value of Data Analytics in Interorganizational Relationships.” ISSCM Department, UNCG (2017 - 2018). Advised: Mohammad Kakhki

### Graduate, Masters

* Master’s Thesis Committee Member, “An exploratory study of Airbnb customer reviews and impact of Covid - 19.” (2021 - 2022) Appalachian State University. Advised: Gopika Malik

### Undergraduate

* Faculty Director for Honors Capstone project, “Applied AI: Real-world Uses of Artificial Intelligence.” (2018 - 2019).” ISSCM Department, UNCG. Advised: Jason Voorheis
* Faculty Director for Honors Capstone project, “Cheap Eats Mobile Application Development.” ISSCM Department, UNCG (2018). Advised: Beverly Herbin

## Faculty Development Activities Attended

### Workshop

* Workshop, “Master Teacher Workshop by Dr. Harvey Brightman.” (January 2020).
* Structural Modeling Applications for Research in Technology workshop participant (SMART), Pittsburgh, PA. (2014).
* Workshop, Workshop on Social and Business Analytics (WSBA), Austin, TX. (2014).

## University Service – University of North Carolina Greensboro (UNCG)

### Department: Information Systems and Supply Chain Management

* Chair, ISSCM Department Student Relations Committee, Bryan School of Business and Economics, UNCG (2021 - Present).
* Advisor, ISSCM Student Organization (Jan 2023 - present)
* Member, Ph.D. Committee (Aug 2023 - present)
* Member, ISSCM Department Head Search Committee (Spring 2023)
* Member, ISSCM Faculty Search Committees (2002/2023, 2023/2024)
* Committee Member, ISSCM Department Intellectual Contributions Committee, Bryan School of Business and Economics, UNCG (2017, 2019 - 2021).
* Committee Member, ISSCM Department Annual Review Committee, Bryan School of Business and Economics, UNCG (2018 - 2020).

### School: Bryan Business School

* Co-Chair, Committee on Teaching and Learning Enhancement, Bryan School of Business and Economics, UNCG (Aug 2023 - Present).
* Committee Member, Committee on Teaching and Learning Enhancement, Bryan School of Business and Economics, UNCG (Aug 2021 - July 2023).
* Committee Member, Promotion & Tenure Policy Task Force, Bryan School of Business and Economics, UNCG (February 2023 - Present)

### University

* Council Member, General Education Council. (Aug 2022 – July 2023).
* Committee Member, MSIA Search Committee, UNCG (2019 - 2020).

## Industry Experience

Ericsson Inc., Plano, TX (March 2011 - August 2011 & May 2008 - February 2010)

Database Developer

Project Management Information Systems - Intern

Network Deployment Supply Chain Management - Intern

Goodman Networks, Carrollton, TX (February 2010 - March 2011)

Project Analyst

DIMO Ltd., Colombo, Sri Lanka (December 2004 - April 2006)

Telecommunication Solutions Engineer

## Professional Service and Affiliation

### Ad-hoc Reviewer

Information Systems Research, Journal of Management Information Systems., Journal of Association for Information Systems, European Journal of Information Systems, Information & Management Journal. Decision Sciences, Information Technology & People, International Conference on Information Systems, Americas Conference on Information Systems, ACM SIGMIS Computers and People Research Conference, Hawaii International Conference on System Sciences

### Professional Affiliations/ Memberships

Association for Information Systems (AIS), Academic honor society “Beta Gamma Sigma”, Institute for Operations Research and the Management Sciences (INFORMS), Production and Operations Management Society (POMS) (2016 - 2020).