Onkar S. Malgonde

Assistant Professor
Information Technology and Analytics
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Education

- Ph.D. - 2018, University of South Florida, Information Systems.

- M.S. - 2013, University of South Florida, Management Information Systems.

- B.E. - 2010, University of Pune, Information Technology.

Professional Experience

- July 2023 - Present

    Assistant Professor of Information Technology and Analytics, Department of Business Management, Poole College of Management, *North Carolina State University*

- June 2021 - June 2023

    Assistant Professor, Information Technology and Decision Sciences (ITDS), G. Brint Ryan College of Business, *University of North Texas*

- August 2018 - May 2021

    Assistant Professor, Operations Management and Information Systems, College of Business, *Northern Illinois University*

- August 2012 - July 2018

    Graduate Research Assistant, *University of South Florida*

- September 2010 - July 2012

    Systems Engineer, *Infosys Limited*

Journal Publications

1. Malgonde, O., Saldanha, T. J., and Mithas, S. (2023), "Resilience in the Open Source Software Community: How Pandemic and Unemployment Shocks Influence Contributions to Others' and One's Own Projects," ***MIS Quarterly***, Vol. 47, No. 1, pp. 361-390.

2. Malgonde, O., Zhang, H., Padmanabhan, B., and Limayem, M. (2023), "Managing Digital Platforms with Robust Multisided Recommender Systems," ***Journal of Management Information Systems***, Vol. 39, No. 4, pp. 938-968.

3. Hevner, A. and Malgonde, O. (2021), "Innovation on Digital Platforms: Impacts of Control Portfolios on Novelty," *International Journal of Computers and Their Applications*, Vol. 28, No. 1, pp. 33-44.

4. Malgonde, O., Zhang, H., Padmanabhan, B., and Limayem, M. (2020), "Taming Complexity in Search Matching: Two-sided Recommender Systems on Digital Platforms," ***MIS Quarterly***, Vol. 44, No. 1, pp. 49-84.

5. Malgonde, O. and Chari, K. (2019), "An Ensemble-based Model for Predicting Agile Software Development Effort," ***Empirical Software Engineering***, Vol. 24, No. 2, pp. 1017-1055.

6. Hevner, A. and Malgonde, O. (2019), "Effectual application development on digital platforms," *Electronic Markets*, Vol. 29, No. 3, pp. 407-421.

Working Papers

1. How Pandemic and Unemployment influence Knowledge Contributions of Female and Minority Race Knowledge Workers (with Terence Saldanha and Sunil Mithas)

2. How Technology Paradigms Influence Configurations of Contract Characteristics in Inter-organizational Outsourcing Projects: Insights from a Configurational Approach (with Moez Farokhnia, Sunil Mithas, Manish Agrawal, and Kaushal Chari)

3. If You Build It, Who Will Come? The Impact of Dynamic Open Source Software Repository Characteristics on Altruistic and Instrumental Reuse (with Kishen Iyengar)

Referred Conference Publications

1. Malgonde, O. and Hevner, A. (2020), "Controls and Novelty on Digital Platforms: Two Case Studies". Paper presentation at the *International Conference on Software Engineering and Data Engineering (SEDE)*. **Nominated for Best Paper Award**.

2. Malgonde, O., Zhang, H., Padmanabhan, B., Limayem, M. (2019). Multisided Recommendations: Nudging Agents on Multi-sided Platforms to Improve Platform Performance. Paper presentation at the *Winter Conference in Business Analytics (WCBA)*, Utah.

3. Sengupta, A., Malgonde, O., & Hevner, A. (2018). Knowledge Utilization of Design Science Research: An Exploratory Study. Presented at the *Design Science Research in Information Systems and Technology (DESRIST)*, Chennai, India.

4. Malgonde, O., & Hevner, A. (2017). Finding Evidence for Effectual Application Development on Digital Platforms. Presented at the *Design Science Research in Information Systems and Technology (DESRIST)*, Karlsruhe, Germany.

5. Malgonde, O., & Hevner, A. (2016). An Effectual Approach for the Development of Novel Applications on Digital Platforms. Poster presented at the *Workshop on Information Technologies and Systems (WITS)*, Dublin.

6. Malgonde, O., & Chari, K. (2016). An Ensemble-based Model for Predicting Agile Software Development Effort. Paper presented at the *Workshop on Information Technologies and Systems (WITS)*, Dublin.

7. Malgonde, O., Padmanabhan, B., Zhang, H., & Limayem, M. (2015). Bottlenecks in Dynamic Organizational Processes: Formalisms, Discovery Methods. Paper presented at the *Winter Conference on Business Intelligence (WCBI)*, Utah.

8. Malgonde, O., Hevner, A. R., & Collins, R. W. (2015). Planning a Portfolio of Controls for Software Development. Paper presented at *Design Science Research in Information Systems and Technology (DESRIST)*, Dublin.

9. Malgonde, O., & Chari, K. (2014). A Probabilistic Model for Predicting Agile Software Development Effort. Paper presented at the *Workshop on Information Technologies and Systems (WITS)*, Auckland.

10. Malgonde, O., Padmanabhan, B., & Limayem, M. (2014). Bottlenecks in Dynamic Organizational Processes: Formalisms, Discovery Methods, and Recommendations. Poster presented at the *Workshop on Information Technologies and Systems (WITS)*, Auckland.

11. Malgonde, O., & Bhattacherjee, A. (2014). Innovating Using Big Data: A Social Capital Perspective. Poster presented at the *20th Americas Conference on Information Systems (AMCIS)*, Savannah.

12. Malgonde, O., Collins, R. W., & Hevner, A. R. (2014). Applying Emergent Outcome Controls to mitigate Time Pressure in Agile Software Development. Poster presented at the *20th Americas Conference on Information Systems (AMCIS)*, Savannah.

Teaching

- Assistant Professor (North Carolina State University)
  - Information Technology (IT) Capstone
    * Project-oriented course where students work with industry partners on "live" IT problems.

- Assistant Professor (University of North Texas)
  - Programming Languages for Business Analytics
    * Required course in the graduate Information Systems and Technologies program
    * Elective course in the graduate Business Analytics program
    * Offered every Fall and Spring
  - Foundations of Database Management
    * Required course in graduate programs: (a) Information Systems and Technologies, and (b) Business Analytics
    * Offered every Fall

- Assistant Professor (Northern Illinois University)
  - Business Systems Analysis and Design
    * Required course in the graduate MIS program
    * Offered every Fall and Spring
  - Social Media Analytics for Business
    * Elective course in the graduate MIS program
    * Offered every Fall and Spring
  - Business Applications of Database Management Systems—100% online

- Instructor (University of South Florida)
  - Applied Data Science
    * Elective course in the undergraduate MIS program
  - Systems Analysis and Design
    * Required course in the undergraduate MIS program

- Teaching Assistant (University of South Florida)
  - Advanced Systems Analysis and Design
  - Seminar on Software Testing

Service

- Associate Editor
  - 2020 International Conference on Information Systems (ICIS)—Advances in Research Methods

- Journal Reviewer
  - Management Science
  - MIS Quarterly
  - Information and Management
  - Project Management Journal
  - Electronic Commerce Research and Applications
  - Information Systems Frontiers
  - IT Professional

- Conference Reviewer

- International Conference on Information Systems (ICIS)
- Workshop on Information Technologies and Systems (WITS)
- Association for Computing Machinery (ACM) Conference on Recommender Systems (RecSys)

- University of North Texas

  - ITDS Department: Curriculum Committee member
  - ITDS Department: Grade Appeal Committee member
  - ITDS Department: Library Committee

- Northern Illinois University

  - Designed and taught the first Python Programming Bootcamp. The bootcamp is open to all students. The bootcamp is held every semester across 2 consecutive weekends. Participants include students from all colleges across NIU, employees, and alumni.
  - Department of Operations Management & Information Systems (OM&IS) and College of Business liaison for NIU Department of Information Technology's Microsoft Teams White Glove Program
  - Member, OM&IS Curriculum Committee
  - Member, Strategic Planning Committee - College of Business
  - Member, OM&IS Department Server Committee

Awards, Research Grants, and Fellowships

- 2022 —International Conference on Information Systems (ICIS) Junior Faculty Consortium

- 2019 —Outstanding Research Faculty Award —Department of Operations Management & Information Systems (OM&IS), Northern Illinois University

- Summer 2017 —Muma College of Business Research Award, University of South Florida

- Fall 2016 —Professional Scrum Master-I certification

- Spring 2014 —Dean's Research and Teaching Grant (with Anol Bhattacherjee), University of South Florida

- Academic Year 2013-2014 —Graduate Fellowship, University of South Florida