

# LEILA HOSSEINI

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## EMPLOYMENT

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- **University of Houston, Houston, TX** July 2023 - present
  - Assistant Professor(tenure-track), Department of Decision and Information Sciences
  - Bauer Fellow
- **Temple University, Philadelphia, PA** July 2020 - June 2023  
Assistant Professor(tenure-track), Department of Management Information Systems

## EDUCATION

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- **The University of Texas at Dallas, Richardson, TX** August 2014 - May 2020  
PhD in Management Science (Information Systems Concentration)
- **University of Kurdistan, Iran** August 2008 - Feb 2011  
Master of Science in Industrial Engineering
- **Azad University, Iran** August 2004 - Feb 2008  
Bachelor of Science in Industrial Engineering

## AREAS OF INTEREST

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- **Research Interests:** Economics of Cloud-Based AI Marketplaces, Cloud Computing, Real-Time Digital Advertising.
- **Research Methodologies:** Game Theory, Optimization, Econometrics.

## RESEARCH PAPERS

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- **Leila Hosseini**, Mehdi H. Farahani, Subodha Kumar. *Is Multi-Cloud the Future? Desirability of Compatibility in the Multi-Cloud Market*. Forthcoming in **Management Science**.
- **Leila Hosseini**, Shaojie Tang, Vijay Mookerjee. 2023. *When Is More Merrier? A Cloud-Based Architecture to Procure Impressions from Multiple Ad-Exchanges*. **Information Systems Research**, 35(1), pp.294-317.
- **Leila Hosseini**, Shaojie Tang, Vijay Mookerjee, Chelliah Sriskandarajah. 2020. *A Switch in Time Saves the Dime: A Model to Reduce Rental Cost in Cloud Computing*. **Information Systems Research**, 31(3), pp.753-775.

- **Leila Hosseini**, Vijay Mookerjee. *Online Traffic Games: Should Firms Compete on Website Speed or Website Capacity?* Invited for the 4th round of review (Minor revision) in **Production and Operations Management**.
- Hyeonsik Shin(former PhD student), **Leila Hosseini**, Subodha Kumar. *Regulating Data Use in Social Media: Strategic Implications for Platforms and Users*. Invited for the 4th round of review (Minor revision) in **Journal of Management Information Systems**.
  - An earlier version of the paper is accepted for publication in International Conference on Information Systems (ICIS) proceedings, 2022.
- Dongwook Chun(current PhD student), Taha Havakhor, **Leila Hosseini**. *Tokens vs. Equity: How Blockchain Financing Models Influence Startup Strategy, Innovation, and Success*. Under review.
  - Best paper runner-up in MSISR 2024.
- **Leila Hosseini**, Yeongin Kim, Srinivasan Raghunathan. *Who Benefits from Artificial Intelligence Platform-Owner Entry? Evidence from Amazon Web Services Marketplace*. Working Paper.
- Yiyun Sheng(current PhD student), **Leila Hosseini**. *When Exit Becomes Free: How Egress Fee Elimination Reshapes the Economics of Cloud Markets*. Working Paper.

#### PRE-PH.D. PUBLICATIONS (M.Sc. Thesis)

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- Mehdi Hosseinabadi Farahani, Leila Hosseini. *Minimizing cycle time in single machine scheduling with start time-dependent processing times*. International Journal of Advanced Manufacturing Technology 2013, 64, 9, 1479-1486.
- Fardin Ahmadizar, Leila Hosseini. *Minimizing makespan in a single-machine scheduling problem with a learning effect and fuzzy processing times*. International Journal of Advanced Manufacturing Technology 2013, 65, 1, 581-587.
- Fardin Ahmadizar, Leila Hosseini. *Bi-criteria single machine scheduling with a time-dependent learning effect and release times*. Applied Mathematical Modelling 2012, 36, 6203-6214.
- Jamal Arkat, Mehdi Hosseinabadi Farahani, Leila Hosseini. *Integrating cell formation with cellular layout and operations scheduling*. International Journal of Advanced Manufacturing Technology 2012, 61, 637-647.
- Fardin Ahmadizar, Leila Hosseini. *Single machine scheduling with a position-based learning effect and fuzzy processing times*. International Journal of Advanced Manufacturing Technology 2011, 56, 693-698.
- Fardin Ahmadizar, Leila Hosseini. *A novel ant colony algorithm for the single-machine total weighted tardiness problem with sequence dependent setup times*. International Journal of Computational Intelligence Systems 2011, 4, 456-466.
- Jamal Arkat, Leila Hosseini, Mehdi Hosseinabadi Farahani. *Minimization of exceptional elements and voids in the cell formation problem*. Expert Systems with Applications 2011, 38, 9597-9602.

- Mehdi Hosseinabadi Farahani, Leila Hosseini. *An ant colony optimization approach for the machine-part cell formation problem*. International Journal of Computational Intelligence Systems 2011, 4, 486-496.

## TEACHING EXPERIENCE

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- **Instructor**

- University of Houston**

- Information Systems Development Tools, Spring 2026, 2 sections (Undergraduate level)
  - Predictive Analytics, Fall 2025, 1 section (Graduate level)
  - Business Intelligence, Fall 2025, 1 section (Undergraduate level)
  - Information Systems Development Tools, Spring 2025, 1 section (Undergraduate level)
  - Predictive Analytics, Spring 2025, 1 section (Graduate level)
  - Business Intelligence, Spring 2025, 1 section (Undergraduate level)
  - Predictive Analytics, Fall 2024, 1 section (Graduate level)
  - Business Intelligence, Fall 2024, 1 section (Undergraduate level)
  - Information Systems Development Tools, Spring 2024, 1 section (Undergraduate level)
  - Predictive Analytics, Spring 2024, 1 section (Graduate level)
  - Business Intelligence, Spring 2024, 1 section (Undergraduate level)
  - Predictive Analytics, Fall 2023, 1 section (Graduate level)
  - Business Intelligence, Fall 2023, 1 section (Undergraduate level)

- Temple University**

- Data Analytics, Spring 2023, 1 section (Undergraduate level)
  - Data Analytics, Fall 2022, 1 section (Undergraduate level)
  - Digital Systems, Fall 2022, 1 section (Undergraduate level)
  - Digital Systems, Spring 2022, 1 Section (Undergraduate level)
  - Digital Systems, Fall 2021, 2 Sections (Undergraduate level)
  - Digital Systems, Online, Spring 2021, 2 Sections (Undergraduate level)
  - Digital Systems, Online, Fall 2020, 1 Section (Undergraduate level)

- The University of Texas at Dallas (UTD)**

- Introduction to Programming in Java, Spring 2020, transitioned to online instruction on March 16th, 1 Section (Undergraduate level)
  - Introduction to Programming in Java, Summer 2019, 1 Section (Undergraduate level)
  - Introduction to Programming in Java, Spring 2019, 1 Section (Undergraduate level)
  - Introduction to Programming in Java, Spring 2018, 1 Section (Undergraduate level)

- **Guest Lecturer**

- Guest Lecturer for Cloud Computing (MBA at UTD), Spring 2018, Spring 2019, Fall 2020, Fall 2021, Fall 2022, and Fall 2023
  - Guest Lecturer for Information Technology for Business (Undergraduate level at UTD), Spring 2016

## CONFERENCE PRESENTATIONS AND INVITED TALKS

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- Annual POMS Conference, April 2024, Minneapolis, MN.
- University of Houston, April 2023, Houston, TX.
- Theory in Economics of Information Systems (TEIS), March 2023, San Francisco, CA.
- International Conference on Information Systems (ICIS), December 2022, Copenhagen, Denmark.
- Workshop on Information Systems and Economics (WISE), December 2022, Copenhagen, Denmark.
- Conference on Information Systems Technology (CIST), October 2022, Indianapolis, IN.
- Annual POMS Conference, April 2022, Online.
- Workshop on Information Technologies and Systems (WITS), December 2021, Austin, TX.
- Conference on Information Systems Technology (CIST), October 2021, Anaheim, CA.
- INFORMS Annual Meeting, October 2021, Anaheim, CA.
- Temple University, December 2019, Philadelphia, PA.
- University of Kansas, December 2019, Lawrence, KS.
- Tulane University, November 2019, New Orleans, LA.
- INFORMS Annual Meeting, October 2019, Seattle, WA.
- Conference on Information Systems Technology (CIST), October 2019, Seattle, WA.
- POMS 30th Annual Conference, May 2019, Washington, DC.
- INFORMS Annual Meeting, November 2018, Phoenix, AZ.
- Conference on Information Systems Technology (CIST), November 2018, Phoenix, AZ.
- The 16th Annual Big XII+ MIS Research Symposium, April 2018, Stillwater, OK.
- INFORMS Annual Meeting, October 2017, Houston, TX.
- POMS 28th Annual Conference, May 2017, Seattle, WA.

## INDUSTRY COLLABORATIONS

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- **Cidewalk Technologies Inc., Boston, MA** April 2016-2023
  - Provided Guidance on Strategies for Managing Cloud Computing Applications and Infrastructure
  - Analyzed Problem of Procuring Impressions from Multiple Ad-exchanges
  - Presented My Research on “A Model to Reduce Rental Cost in Cloud Computing”
- **Hyper Growth Solutions Inc., Northlake, TX** September 2018
  - Presented My Research on “A Model to Reduce Rental Cost in Cloud Computing”
- **DataStax Inc., Dallas, TX** April 2017
  - Presented My Research on “A Model to Reduce Rental Cost in Cloud Computing”

## WORK EXPERIENCE

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- Research Associate at Amirkabir University of Technology, Iran, 2011-2014
- Lecturer, Tehran Payame Noor University, Iran, 2011 - 2014
- Project Manager, Sepehr Fan Avar Company, Iran, 2008
- Project Management Intern, Sepehr Fan Avar Company, Iran, 2007

## SELECTED HONORS

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- Bauer Research Star, Bauer College of Business, University of Houston, 2024
- “Online Traffic Games: Should Firms Compete on Website Speed or Website Capacity?”, with Vijay Mookerjee, 25th Young Scholars Interdisciplinary Forum, Fox School of Business, Temple University, 11/2/2022-04/30/2024 (\$1800)
- “Is Multi-Cloud the Future? Desirability of Compatibility in the Multi-Cloud Market”, with Subodha Kumar, 23rd Young Scholars Interdisciplinary Forum, Fox School of Business, Temple University, 12/10/2021-04/30/2023 (\$2000)
- “Solving the Social Dilemma with Equilibrium Data Harvesting Strategies: A Game-Theoretic Approach”, with Hyeonsik Shin and Subodha Kumar, 22nd Young Scholars Interdisciplinary Forum, Fox School of Business, Temple University, 05/21/2021-12/30/2022 (\$2500)
- Nominated for Faculty Teaching Award at Fox School of Business, 2022
- OWLIE Award Winner for the Best Ph.D. Student, The University of Texas at Dallas, 2019
- Dean’s Excellence Scholarship, The University of Texas at Dallas, 2019
- Ph.D. Research Small Grant, The University of Texas at Dallas, 2019
- Graduate Research Fellowship, The University of Texas at Dallas, 2015
- Ph.D. Research Small Grant, The University of Texas at Dallas, 2015
- Doctoral Student Scholarship, The University of Texas at Dallas, 2014-2020

## ACADEMIC SERVICE

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### **University of Houston**

Chair of Professor of Practice (Non-Tenure Track) Recruitment Committee, Spring 2026

Member of DBA Dissertation Committee (DBA student: Hadier Shenewa), Spring 2026-present

Member of DISC Ph.D. Admissions Committee, Spring 2026-present

Member of DISC Ph.D. Program Steering Committee, Fall 2025-present

Member of College Library Committee, Fall 2024-present

Member of Postdoctoral Recruitment Committee, Spring 2025

Co-chair of Professor of Practice (Non-Tenure Track) Recruitment Committee, Spring 2025

## Temple University

Member of Fox School of Business Merit Committee, Fall 2022

Member of PhD Dissertation Committee (PhD student: Hyeonsik Shin)

Member of Departmental Merit Committee, Fall 2022, Fall 2021

Member of Departmental Seminar Committee, Fall 2021, Spring 2022

Chair of PHISIM Scholarship Committee, Spring 2021, Spring 2022, Spring 2023

## Professional Services

- **Associate Editor**

Information Technology and Management Journal, 2025-present

International Conference on Information Systems (ICIS), 2021

- **Cluster Chair**

INFORMS Annual Meeting, e-Business Section, 2025

- **Session Chair**

POMS 36th Annual Conference, 2026

POMS 35th Annual Conference, 2025

INFORMS Annual Meeting, 2021

International Conference on Information Systems (ICIS), 2021

- **Discussant**

Workshop on Information Systems and Economics (WISE), 2021

- **Reviewer**

*Journals:* Information Systems Research (ISR), MIS Quarterly, Management Science (MS), Production and Operations Management (POMS), Journal of the Association for Information Systems (JAIS), INFORMS Journal on Applied Analytics, Journal of Information Technology (JIT)

*Conferences:* Conference on Information Systems and Technology (CIST), 2021, 2024, 2025; International Conference on Information Systems (ICIS), 2017-2021, 2023, 2024

## PROFESSIONAL MEMBERSHIP

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- Association for Information Systems (AIS)
- The Institute for Operations Research and the Management Sciences (INFORMS)
- Information Systems Society of INFORMS

## COMPUTING SKILLS

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- **Data Analysis:** SAS, STATA, R, MySQL
- **Programming Languages:** Python, Java, JavaScript, C++
- **Scientific Computing:** MATLAB, Mathematica, CPLEX, LINDO, LINGO, GAMS