Asish Satpathy

Curriculum Vitae

Teaching Professor, Department of Information Systems
W. P. Carey School of Business, Arizona State University, Tempe, AZ
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ASU Faculty Profile | Quark Research Lab

Academic Appointments

- Japan Society for the Promotion of Science (JSPS) Vising Professor, Aoyama Gakuin University, Tykyo, Japan (Jan - March 2027)
- Arizona State University, Tempe, AZ Associate Teaching Professor, Dept. of Information Systems (2018–Present)
- University of California, Riverside, CA Lecturer, School of Business (2013–2018)
- Oklahoma State University, Stillwater, OK Adjunct Professor, Dept. of Marketing (2013–2018)
- Chapman University, Orange, CA Adjunct Professor, Argyros School of Business & Economics (2011–2014)
- University of California, Riverside, CA Project Scientist, School of Physics (2005–2008) Conducted experimental High Energy Physics research at CERN, leading to the Higgs Boson discovery.
- University of Texas, Austin, TX Research Associate, School of Physics (2002–2005) Conducted research on BaBar experiment at SLAC, significant contribution to the CP Violation discovery.
- High Energy Accelerator Research Organization (KEK), Japan JSPS Fellow, Institute of Particle and Nuclear Studies (2000–2002) Conducted High Energy Physics research at the Belle Experiment at KEK, leading to the discovery of the CP violation - a fundamental observation to understand why we all live in a material world.
- University of Cincinnati Postdoctoral Fellow, School of Physics (1999–2000)

Education

Ph.D., Experimental Particle Physics, Utkal University, India, June 1999.
Research conducted at the High Energy Accelerator Research Organization (KEK), Japan.
Dissertation: *A High Energy Electromagnetic Calorimeter for Measuring CP Violation at KEKB Asymmetric* e^+e^- *Collider*.

MBA, The Paul Merage School of Business, University of California, Irvine, June 2008.

Teaching Leadership and Curriculum Development

Arizona State University, August 2018–present

- Designed, developed and taught WPC 300 (Problem-Solving and Actionable Analytics) that is being offered to over 4000 undergraduate students at ASU annually.
- Designed, developed and taught CIS 313 (Location Analytics in Business), offered to students completing ABDA certificate.
- Designed, developed and taught CIS 508 (Python-based course - ”Machine Learning in Business”) that is being offered to students from Learning Enterprise, MSBA, MBA, and MSISM, ASAIB programs.
- Designed, developed and taught “Location Analysis for Business Executives” for MSISM/MSMBA.
- Lecturing for Universidad Andres Bello (UNAB), Chile
- Faculty support for Thunderbird executive education courses.

University of California, Riverside, August 2013–July 2018

- Redesigned and taught courses such as Introduction to Information Technology Management, Electronic Commerce, Information Economics, Business Data Communication, Information Systems, Business Issues in E-commerce
- Developed three new undergraduate IS courses: Introduction to Data Mining and Visual Analytics, Business Applications of Geographic Information Systems & Technology Entrepreneurship
- Introduced experiential learning in MBA Information Systems curriculum

Student Mentoring and Advising

- Mentored several graduate and undergraduate students from WPC and computer science department at ASU for research, and conference presentation.
- Mentored and supported many WPC undergraduate students in completing their honors contract and honors thesis.
- Mentored and advised several undergraduate students for their capstone research project

Publications and Research

Journal Publications

1. Satpathy, A., Erskine, M. A., Shah, J. S. (In press). Geo-enriched Text Analytics in Information Systems Research: A Five-Stage Design Process. Communications of the Association for Information Systems, 59, pp-pp. Retrieved from https://aisel.aisnet.org/cais/vol59/iss1/67
2. Corso, A., Erskine, M. A., Farkas, D., Shin, N., Garfield, J., Pick, J., Satpathy, A., Zhang, X. (2026). Invited Editorial: Preparing Students for a Spatially Driven Business World: Why Location Analytics Belongs in Every IS Curriculum. Journal of Information Systems Education, 37(3), 436-447. https://doi.org/10.62273/NFUU7723
3. Satpathy, A., Erskine, M. A., Garfield, J. (2026). Special Issue Editorial: Location Analytics: Shaping the Future of IS Education. Journal of Information Systems Education, 37(3), 355-359. https://doi.org/10.62273/BVMA1186
4. Satpathy, Asish; Rivera, Julio; Wellman, Beth; Burgos, Miriam; and Prabhakar, Sree Nandhan (2026) "Teaching Innovation Through Location Analytics: Advancing DEI and ESG in Graduate IS Curriculum," Journal of Information Systems Education: Vol. 37 : Iss. 2 , 271-305. DOI: https://doi.org/10.62273/WKUW3260
5. Satpathy, A., Balachander, J., (2026). Teaching with Generative AI: Ethics and Analytical Confidence in Undergraduate IS Education. Information Systems Education Journal 24(6) pp 63-74. https://doi.org/10.62273/ZYUC4609
6. Satpathy, A., Balachander, J., (2025). Future Workforce Evolution - Impact of Artificial Intelligence Across Industries. Journal of Information Systems Applied Research and Analytics. v18, n3, pp 44-60.
7. Erskine, M. A., Pick, J. B., Satpathy, A., et al. (2024). Location Analytics in Information Systems: Opportunities for Research and Teaching. Communications of the Association for Information Systems, 55, 535–565.
8. Darcy, D. P., & Satpathy, A. (2023). Teaching Tip: A Scalable Hybrid Introductory Analytics Course. Journal of Information Systems Education, 34(4), 360–369.
9. Satpathy, A. and Behari, S. (2022) 'Machine learning prediction of chronic diabetes based on a person's demography and lifestyle information, Int. J. Data Science, Vol. 7, No. 3, pp.210–228.
10. Brianna Chew, Asish Satpathy, Elaine Wong. (2020), "Geospatial Analyses to Determine Academic Success

Factors in California's K-12 Education," Annals of GIS, 10.1080/19475683.2020.1739141

11. Mishra, Birendra Rolland, Erik Satpathy, Asish Moore, Michael. (2019). "A framework for enterprise risk identification and management: The resource-based view." Managerial Auditing Journal. 34. 10.1108/MAJ-12-2017-1751

High Energy Physics Publications

Approximately 490+ publications, 1997–2014, as listed in the source CV. Full record: https://inspirehep.net/authors/990184.

Manuscripts Under Review and Work in Progress

- Assessing Spatial Interpretation Stability in Government Decision Support: Evidence from U.S. Homelessness Policy Analysis (Government Information Quarterly)
- Learning from Weak Civic Signals: A Weakly Supervised, Interpretable, Multi-Resolution GeoAI Framework for Spatial Decision Support (Decision Support Sciences)
- Interpretable Spatial Modeling of Weakly Observed Event Data: Geographic Patterns in Reported Drone Sightings (International Journal of Geographical Information Science)
- A Harmonized Multi-City Architecture for Structural Spatial Risk Modeling (Decision Suppport Sciences)
- Designing Explainable GeoAI Systems for Spatial Risk Decision Support (Journal of Decision Systems)
- Social Signals to Anticipate Urban Gun Violence (Work in progress - collaboration with Harvard University)

Conference Proceedings and Presentations

1. Satpathy A. & Deeksha Lingaraju (2026) Designing Explainable GeoAI Systems for Spatial Risk Decision Support, AMCIS (2026)
2. Satpathy A., Subramanian V. V., & Tiwari A. (2026) A Harmonized Multi-City Architecture for Structural Spatial Risk Modeling, AMCIS (2026)
3. Satpathy, A. & Balachander, J. (2025), Teaching with Generative AI: Ethics and Engagement in Undergraduate Analytics. ISCAP (2025)
4. Satpathy, A. & Corso, A. (2025). Social Media Signals: Predicting Gun Violence through Twitter Analytics. AMCIS (2025)
5. Satpathy, A. & Balachander, J. (2024), Future Workforce Evolution - Impact of Artificial Intelligence Across Industries. ISCAP (2024)
6. Shah, J.S., Satpathy, A., & Erskine, M. A. (2024). The Influence of Location on Online Reviews: Discerning a Potential Moderator via Geospatial Analysis Methods. AMCIS (2024)
7. Rivera, J., Satpathy, A., Wellman, E., & Burgos, M. (2024). Revitalizing Graduate Business Curriculum with Location Analytics Incorporating DEI & ESG. HICSS (2024)
8. Satpathy, A. & Balachander, J. (2023). Investigating the Transformative Impact of AI on Employment and Workforce Development. ICIS (2023)
9. Satpathy, A., Srivastava, A., & Ayyalasomayajula, S. (2023). Predictive Risk Assessment for Homelessness: A Machine Learning Approach. AMCIS (2023)
10. Satpathy, A. Product Innovation Research in IS: Integrating Location Analytics. AMCIS 2023 Pre-conference Workshop.

11. Satpathy, A., Brahmbhatt, R. J., & Satpathy, S. (2022). Opportunities and Challenges of Remote Learning in the COVID Era – A Study Based on Sentiment Analysis of Geotagged Tweets. AMCIS (2022)
12. Demographic and Lifestyle Factors in Predicting Chronic Diseases. SAS User Global Forum Conference, Denver, CO, 2018.
13. Demographic analysis of arrest-related deaths in the US. ESRI Users Conference, San Diego, CA, 2016.
14. Location-Based Association of Customers' Sentiments and Retail Sales. SAS User Global Forum Conference, Dallas, TX, 2015.
15. Overview and the Status of the CMS Silicon Strip Tracker. The 2007 Europhysics Conference on High Energy Physics, Manchester, England.
16. Direct CP Violation, New Results from BaBar. PHYSTAT 2003 – Statistical Problems in Particle Physics, Astrophysics, and Cosmology, Menlo Park, California.
17. First CP Results from Belle. International School on Violation of CP Symmetry and Related Processes, Prerow, Rostock, Germany, 2000.
18. First Physics Results from Belle. 5th International Symposium on Radiative Corrections (RADCOR 2000), Carmel, California, USA.
19. Particle Identification with Belle. Division of Particle and Fields Conference, American Physical Society, UCLA, California, USA, 1999.

Invited International Conferences

- CGA 20th Anniversary Conference, Harvard University (October, 2026)
- AMCIS Conferences - Reno (August, 2026), Montreal (August, 2025), Salt Lake City (August, 2024), Panama City (August, 2023), Minneapolis (August, 2022)
- HICCS Conference, Hawaii (2024)M
- ICIS Conference, Hyderabad, India (2023)
- Physics at LHC, July 2006, Cracow, Poland.
- 5th Rencontres Du Vietnam, August 2004, Hanoi, Vietnam.
- HEP2003, International Europhysics Conference on High Energy Physics, July 2003, Aachen, Germany.
- International Workshop on B Physics and CP Violation (BCP-4), February 2001, Ise-Shima, Japan.
- Second International Conference on B Physics and CP Violation, March 1997, Honolulu, Hawaii, USA.
- Detector and Instrumentation School, Sept. 1996, Bologna, Italy. Received felicitation from Nobel Laureate Prof. G. Charpak from CERN.

Grants and Sponsored Research

Funded Projects and Grants

- Principal Investigator, Integrating Place, Economy, and Social Signals to Anticipate Urban Gun Violence, seed grant funding ($11,000) through FundedResearch @ WPC, 2026.
- Principal Investigator, GeoAI-Driven Analysis of Airspace Vulnerabilities Against Unauthorized Drone Activity in Irregular Warfare, funded by the Irregular Warfare Center of Excellence, Arizona State University, 2025 - A $100,000 DoD project (Funded)
- Principal Investigator, Teaching with Generative AI: Ethics and Engagement in Undergraduate Analytics - A

Teaching and Learning funded ($10,000) research at W. P. Carey Business School (2024-2025).

- Received seed grant ($10,000) for developing an NSF grant proposal as a Principal Investigator: ”DSC: Catalyzing the Digital Workforce: Expanding Access and Engagement Through Data Science Education” (2024).
- Received Summer Research Grant ($5000) from AI and Data Analytics to conduct research on the impact of AI on workforce evolution (2024).
- Research on ”Teaching and Learning” Grant ($10,000) at W. P. Carey Business School (2020-2021).
- Innovative Learning Technology Initiative (ILTI) Grant ($110,000) to develop an online undergraduate IS course for the University of California: ”Business Application of Geographic Information Systems” (2017-2018).

Pending Grant Proposals as Principal Investigator

- Responsible Agentic AI for Inclusive Undergraduate STEM Analytics Learning (2026) - A $750,000 NSF Grant (Pending)

Awards and Honors

- 2026-27 Japan Society for Promotion of Science (JSPS) Fellow to conduct short-term research at Aoyama Gakuin University, Tokyo, Japan
- 2025-26 Fulbright US Scholar Award for Teaching/Research (finalist)
- 2025 ISCAP: Outstanding Conference Reviewer Award In recognition of excellent work in providing a significant number of Conference reviews, and providing substantial, actionable, detailed, and supportive feedback to the authors.
- Department’s Service Award Recognizing Leadership at the Nationwide Program and Services for developing the WPC 300 course (2022).
- Outstanding teaching award in the Information Systems Undergraduate Program (2019-2020).
- Dean’s List for Teaching Impact Award recognizing the breadth of teaching excellence and innovation across W.P. Carey School of Business (2019-2020).
- Japan Society for the Promotion of Science (JSPS) Fellowship Award (2000-2002).
- National Fellowship of University Grants Commission of India (1993-1995).
- National Merit Scholarship of India (Undergraduate studies).

Consulting and Business Experience

- ByteFuture LLC, Madison, WI Advisor (2017–2019) – Data Science consulting startup.
- VidyaBuddy LLC, Los Angeles, CA Founder/CEO (2014–2017) – Developed an educational gaming platform.
- Zympi Inc., Redlands, CA Co-Founder/CEO (2010–2013) – Developed GIS-based SaaS product for targeted marketing.

Service and Leadership

Editorial and Professional Leadership

- Editorial Board Member, Journal of Information Systems Education (JISE)
- Editorial Board Member, Journal of Information Systems Applied Research and Analytics (JISARA)
- Editorial Board Member, Information Systems Education Journal (ISEDJ)

- Executive Committee Member, SIGGIS (A Special interest Group for GIS)
- Chief Editor of Special Issue (Location Analytics: Shaping the Future of IS Education) - Journal of Information Systems Education (JISE)
- Co-Chair of SIGGIS Mini-track (Geospatial AI and Location Intelligence Applications for the Next Transformation) for AMCIS 2026.
- Co-Chair of Location Intelligence Mini-track (Geo-Impact: Geospatial Technologies for Social Good) for HICSS 2025 Conference in Hawaii.
- Co-Founder, Location Analytics in Business Symposium — an international annual business symposium (est. 2002). Organized the 4th symposium in Montreal, Canada (Aug 12, 2025).
- Co-chair, AMCIS Pre-conference workshop, Montreal (2025) From Insight to Action: Applying Location Analytics and GeoAI in Research and Practice
- Co-Chair of SIGGIS mini-track at AMCIS (2024): Beyond Boundaries: Exploring the Convergence of Location Analytics and Digital Social Entrepreneurship.
- Co-Chair of mini-track at AMCIS (2024): Enhancing IS Education for Digital Social Entrepreneurship with Location Analytics.
- Chair of Location Intelligence Mini-track (Geospatial Analytics, Education, Training, and Workforce Development) for HICSS 2024 Conference in Hawaii.
- Co-Chair of SIGGIS pre-conference workshop at AMCIS (2023, Panama): Location Analytics: Research, Innovation, and Inclusion in the Americas.
- Organized the third "Location Analytics in Business" symposium at BYU, Provo, Aug 13, 2024.
- In collaboration with the University of Redlands and Society, Middle Tennessee State University, and Pace University, planned and executed a successful Spatial Business Academic Forum on March 17 & 18, 2023, at the University of Redlands and Esri Campus in California; served as Chair for the "GeoMarketing" session and presented a talk titled "ChatGPT and the Role of AI in Location Analytics Class."
- Co-Chair of Location Intelligence Mini-track (Geospatial Analytics, Education, Training, and Workforce Development) for HICSS 2023 Conference in Hawaii.
- In collaboration with Middle Tennessee State University and the University of Redlands, organized a one-day workshop (March 5, 2022) on "The Need for Location Analytics Competencies in Business" at the W. P. Carey School of Business, Arizona State University, Tempe, Arizona.

University Service and Academic Leadership

- Faculty Lead & Monitoring, Evaluation and Learning (MEL) Lead, AYCE Digital (Mastercard Foundation Funded initiative to deliver scalable, market-aligned digital skills training and credentials to 50,000+ youth across Africa) (2026-Present)
- Department of Information System Personnel Advisory Team (DISPAT) Committee Member for Instructional Faculty at the IS department, W. P. Carey School of Business (2022-2025).
- Faculty Director: Faculty Program Director of the W. P. Carey Nationwide Data Analytics Professional Credential program (May 2021 – Oct 2021).
- Member of Programs Committee, Information Systems, W. P. Carey School of Business.
- Chair for the Undergraduate Certificate Committee: ABDA, DBI & Cyber (IS Department), W. P. Carey School of Business (2020-2025).
- Course Coordinator for CIS 508: Business Data Mining, W.P. Carey School of Business (2021-2023).
- Course Coordinator for CIS 313: Location Analytics in Business, W.P. Carey School of Business (2020-Present).

- Department Course Coordinator for WPC 300 (2022-2025).
- Business Data Analytics (Undergraduate) Committee Member (2018-2021).
- Alumni Member of Analytics Advisory Board at Oklahoma State University, Stillwater.
- Invited Instructor at the Institute of Emerging Managers and Leaders, UC Riverside (2017).
- Invited Member of FIRE@UCR (Fostering Innovation, Research, and Entrepreneurship at UCR) (2016-2018).
- Organized four successful undergraduate entrepreneurship boot camps at UCR School of Business (2014-2018).
- Served on the Strategic Planning Committee at UCR School of Business, Riverside, CA.

Community Engagement and Public Outreach

- Official judge for business plan competitions for Big Ideas @Berkeley (https://bigideas.berkeley. edu/) and DECA (https://deca.org/).
- Interviewed with ESRI's WhereNext magazine and local newspaper (PE.com) on behalf of the UCR School of Business (CA) to discuss "GIS for Business" and "Economic Impact of Twitter & Uber," respectively.
- ARCUSER Article: Arizona State University Expands Its Location Analytics.
- Current Board Member of the following non-profit organizations: (1) The Cheer Up Foundation, (2) Association of Overseas Odias, (3) The Musicality Movement.
- Former Board Member of the Non-Profit Organization: Karmodaya.

Professional Memberships

- Association of Information Systems (AIS), Distinguished Member
- INFORMS, Member
- Association for Computing Machinery
- American Association for the Advancement of Science, Elemental Member

Peer Review

- Journal of Information Systems Education (JISE)
- Communications of the AIS (CAIS)
- Journal of Information Systems Applied Research and Analytics (JISARA)
- Information Systems Education Journal (ISEDJ)
- California Management Review (CMR)
- Textbook: Business Analytics: Methods and Cases for Data-Driven Decisions, by Richard Huntsinger
- ICIS SIGDSA Symposium (SIGDSA 2018)
- Conference papers from AMCIS, HICSS, ISCAP
- Nuclear Instrumentation Methods A
- Physical Review D
- Physical Review Letters