Argha Ray
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(323) 348-9029

EDUCATION

Ph.D. in Management Information Systems   **Dec 2021**
Iowa State University, Ames, Iowa
Dissertation: Essays on Societal impact of Modern Technologies.
Advisor: Joey F. George
Graduate Certificate in Quantitative Psychology

Post Graduate Diploma in Management   **Mar 2014**
Management Development Institute, Gurgaon, India
Emphasis on Marketing and Information Systems
Dissertation: State Transgression on Electronic Expression: Is it for Real?
Advisor: Anjali Kaushik

Bachelor of Engineering   **Mar 2005**
Visveswaraiah Technological University, Belgaum, India
Instrumentation Technology
Project (4th Year): Electronic System for Measurement of Dynamic Response of Vibrational System.
Project (3rd Year): Economical Uninterrupted Power Supply (UPS) for Cordless Phone.

EMPLOYMENT

Academic Positions
Assistant Professor   2023 – Till date
Computer Information Systems, Colorado State University at Pueblo

Assistant Professor   2022 - 2023
Computer Information Systems, West Texas A&M University

Lecturer   2021 – 2022
Management Science and Information Systems, Oklahoma State University

Industry Positions
Solution Architect, Tata Consultancy Services Ltd.   2014 - 2016

Programmer, Tata Consultancy Services Ltd.   2005 - 2013

RESEARCH ACTIVITIES

Peer Reviewed Journal Publications
Ray, A., & Kaushik, A. (2017). State Transgression on Electronic Expression: Is it for Real?, *Information & Computer Security, 25*(4), 382-401. Link.

Manuscripts Under Review
Ray, A. Sectarian Online Disinformation and the Psychological Bases of Prejudice. ***Status: Under 1st Round Review at European Journal of Information Systems.***

Working Papers
Ray, A. Truth or Lie? Effects of Cognitive Styles on Disinformation Detection. ***Status: Data collected and analyzed, paper written, adjusting to prior reviewers' feedback and preparing for initial submission.***

Ray, A. Moral Reasoning and Acceptability of Technologies that Violate Fundamental Human Rights. ***Status: Under Review at IRB (Returned to Researcher).***

Ray, A. The status of women in the Information Systems discipline. ***Status: Initial data collection.***

Peer Reviewed Conference Proceedings
Ray, A., & Sarkar, S. K. (2023) Moral Reasoning and Acceptability of Technologies that Violate Fundamental Human Rights. *Proceedings of the 29th Americas Conference on Information Systems, Panama (AMCIS) 2023*. Panama City Panama. Link.

Ray, A, & George, J. F. (2021). Online Hate and its Routes to Aggression: A Research Agenda. *Proceedings of the 54th Hawaii International Conference on System Sciences (HICSS) 2021*. Kauai, United States. Link.

Ray, A. & George, J. F. (2019). Online Disinformation and the Psychological Bases of Prejudice and Political Conservatism. *Proceedings of the 52nd Hawaii International Conference on System Sciences (HICSS) 2019*. Maui, United States. Link.

Ray, A. & Kaushik, A (2015), State Transgression on Electronic Expression: Is it for Real? *Proceedings of 21st Americas Conference on Information Systems (AMCIS) 2015*. Puerto Rico, United States. Link.

Scholarly Presentations
Ray, A. (2022). Online Hate and its Routes to Aggression. *Paper presented at MIS Colloquium, Oklahoma State University*. Stillwater, United States, 4th February 2022.

Ray, A. & George, J. F. (2020). Online Hate and its Routes to Aggression. *Paper presented at MIS Brown Bag Seminars*. Iowa State University, Ames, United States, 16th October 2020.

Ray, A. & George, J. F. (2020). Essays on Online Disinformation and Online Hate. *Paper presented at Americas Conference on Information Systems (AMCIS) Doctoral Consortium for Advanced Students*. Salt Lake City, United States, 15th August 2020.

Ray, A. & George, J. F. (2019). Online Disinformation and the Psychological Bases of Prejudice and Political Conservatism. *Paper presented at MIS Brown Bag Seminars*. Iowa State University, Ames, United States, 5th October 2019.

Ray, A. (2005). Robust Ability of Feedback Controllers using Nyquist Stability Criteria. *Paper presented at 2nd State Level Indian Society for Technical Education (ISTE) Convention*. Hubli, India, 16th April 2005.

TEACHING

Courses and Teaching Evaluations

Course	Format	Semester	Evaluation
Information Technology Management. CIDM6310	Online	Fall 2022	3.5/4
Information Technology Management. CIDM6310	Online	Fall 2022	3.8/4
Digital Forensics and Fraud Detection using Machine Learning. CIDM6356	Online	Fall 2022	3. 6/4
Business Data Science Technologies. MSIS2103	In Person	Fall 2021	4.4/5
Business Data Science Technologies. MSIS2103	In Person	Fall 2021	4.3/5
Business Data Science Technologies. MSIS2103	In Person	Fall 2021	4.5/5
Introduction to MIS. MIS301	In Person	Spring 2019	4.0/5
Introduction to MIS. MIS301	In Person	Fall 2019	3.9/5
Introduction to MIS. MIS301	In Person	Spring 2020	4.4/5
Introduction to MIS. MIS301	Hybrid	Spring 2021	4.2/5
Introduction to MIS. MIS301	Hybrid	Spring 2021	4.0/5
Introduction to Business Analytics. MIS 436	In Person	Fall 2020	4.7/5

SERVICE

Committees
Member of the Research and Teaching Symposium Committee (West Texas A&M)   2022

Ad Hoc Reviewer
Information and Management (I&M)   2022
Information Systems Journal (ISJ)   2021
Journal of Management Information Systems (JMIS)   2021
Hawaii International Conference on System Sciences (HICSS)   2019 - 2021
Midwest Association for Information Systems (MWAIS)   2020
European Conference on Information Systems (ECIS)   2019
International Conference on Information Systems (ICIS)   2019
Americas Conference on Information Systems (AMCIS)   2015, 2021

HONORS AND AWARDS

Reviewer Development Workshop, MIS Quarterly	2021
AMCIS Doctoral Consortium for Advanced Students	2020
Graduate and Professional Student Senate Travel Grant, Iowa State University	2019
Certificate of Appreciation, Tata Consultancy Services Ltd. (TCS) Maitree	2016
Certificate of Appreciation, Tata Consultancy Services Ltd. (TCS) Agile COE	2015
On the Spot Award, Tata Consultancy Services Ltd. (TCS) Gems	2012
On the Spot Award, Tata Consultancy Services Ltd. (TCS) Gems	2010
Gold Medal, Calcutta District Aquatics, 4*50 F/S	1995

METHODOLOGY TRAINING

Statistical Techniques
Structural Equation Models, Multilevel Models, Latent Growth Curve Models, Finite Mixture Models, Meta-Analysis, Survival Analysis, Multi-Dimensional Scaling, Monte Carlo Power Simulation, Pattern Mixture Models for Missing Data, Applied Time Series, Applied Econometrics, Applied Data Science.

Statistical Packages

Psychometrics — SPSS, Mplus, Jmp Pro, SAS, R, HLM, Stata, LISREL.

Data Science — Weka, Python (SciPy, Numpy, Pandas, Matplotlib, Keras, Pytorch, Scikit-learn, Seaborn, Statsmodels, Tensorflow), SAS Enterprise Miner, RapidMiner, Tableau.

Technical Skills

Suites — Oracle Enterprise Manager, Oracle Forms and Reports 10g, Erwin Data Modeler, Oracle AS 10g, Node.js, BEA Weblogic, IIS, JBoss AS, Apache Tomcat, Informatica, SSIS, SSRS, Cucumber, Selenium, Anaconda, Android Studio, RStudio, Visual Studio, Qt, Mu, Eclipse, IntelliJ IDEA, Jenkins, Maven, Apache Ant, Git, Visual Source Safe, SVN, Puppet, Docker, Kubernetes, OpenShift, Istio, HP Quality Centre, JIRA, ServiceNow, Hadoop, Apache Spark, Pig, Hive, Ethereum, Remix - Ethereum IDE, Truffle, Ubuntu, Kali Linux, VMware Workstation Player, Oracle VM VirtualBox, Raspberry Pi.

Databases — Oracle Database 10g, SQL Server Management Studio 2005, Sybase ASE, MySql, PostgreSQL, Apache Cassandra, MonetDB, Neo4j, MongoDB.

Languages — PL/SQL, T SQL, C#, CSHTML, ASP.NET Razor, Python, R, JCL, MPE, Unix/Linux Shell Scripts, Django, Apache Struts MVC, EJB, JSP, Hibernate, VBA, C++, Pig Latin, HiveQL, CQL, Cypher, Solidity, HTML, CSS, JavaScript, Unity, Gherkin, Ruby on Rails, Scala.

PROFESSIONAL CERTIFICATIONS

DataCamp Statement of Accomplishment for Python, R, Tableau and SQL, 2023.
Graduate Certificate in Quantitative Psychology, Iowa State University, 2019.
Surveillance Law, Stanford University, Coursera Inc, 2015.
ITIL 2011 Foundation, TCS Asynchronous Digital Course, 2015.
Certificate in Investment Banking Services and Entities, TCS Business Domain Academy, 2010.

MEMBERSHIPS

Association for Information Systems
Association of MBAs

REFERENCES

Joey F. George
Emeritus Distinguished Professor
Department of Information Systems and Business Analytics
Ivy College of Business
Iowa State University
2340 Gerdin Business Building
(515) 294-3659
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