

Kaushik Dutta
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EDUCATION

Degree	Institution	Field	Year
Doctor of Philosophy	Georgia Institute of Technology, Atlanta, USA.	Management (Area: Information Technology Management) <i>Minor: Computer and Industrial Engineering.</i>	2003
Master of Technology	Indian Statistical Institute, Kolkata, India.	Computer Science	1996
Bachelor of Engineering	Jadavpur University, Kolkata, India.	Electrical Engineering	1994

ACADEMIC EXPERIENCES

Institution	Rank	Field	Dates (Month & Year)
University of South Florida, USA	Associate Dean – Undergraduate and International Relations	Muma College of Business	Since August 2023
	Interim Director	School of Information Systems and Management	Since August 2023
	Director	School of Information Systems and Management	July 2020 – July 2023
	Department Chair	Information Systems and Decision Sciences Department	August 2019 – June 2020
	Professor (tenured)	Information Systems and Decision Sciences Department	Since May 2019
	Associate Chair – ISDS Department	Information Systems and Decision Sciences Department	Since August 2018

	Founding Academic Director	Weekend Executive MS in Business Analytics and Information Systems	January 2017
	Academic Director	MS Business Analytics and Information Systems	Since August 2016
	Associate Professor (tenured)	Information Systems and Decision Sciences, Muma College of Business	August 2015 – May 2019
National University of Singapore, Singapore	Associate Professor (tenured)	Information Systems	August 2011 – July 2015
Florida International University, USA	Associate Professor (tenured)	Decision Science and Information Systems	August 2009 – July 2011
Florida International University, USA	Assistant Professor	Decision Science and Information Systems	August 2003 – July 2009

INDUSTRY EXPERIENCES

Organization	Industry Domain	Position	Dates
Mobilewalla Inc. (USA)	Mobile Data Provider	Chief Technical Advisor	August 2015 – July 2023
NSF I-Corps University of South Florida Site (Tampa, USA)	Startups	Business mentor	January 2016 – till date
Mobilewalla Inc. (Singapore / USA)	Mobile Data Provider	CTO & Vice President Engineering	Apr 2009 – July 2015
Walkingstick Solutions Inc. (Atlanta, USA)	ERP	Vice President, Engineering	Jun 2006 – Dec 2007
Chutney Technologies Inc. (Atlanta, USA)	High-tech startup	Director of Engineering	Jan 2001 – August 2003

Intarka Inc. (Kolkata, India and San Jose, USA)	Technology	Senior Software Engineer	Feb 1998 – Aug 1999
Metalogic Systems Pvt. Ltd. (Kolkata, India and Paris, France)	IT Services	Senior Software Consultant	Aug 1997 – Jan 1998
DAIS Infotech Pvt. Ltd (Kolkata, India and San Jose, USA.)	IT Services	Senior Software Engineer	Apr 1997 – Jul 1997
Wipro Ltd. (Bangalore, India)	IT Services	Senior Software Engineer	Jun 1996 – Mar 1997

ACADEMIC ACCOMPLISHMENTS

JOURNAL PUBLICATIONS

1. Beckie, Theresa; Sengupta, Avijit; Dey, Arup Kanti; Dutta, Kaushik; Ji, Ming; Chellappan, Sriram (2023) . A Mobile Health Behavior Change Intervention for Women With Coronary Heart Disease: A Randomized Controlled Pilot Study. Journal of Cardiopulmonary Rehabilitation and Prevention 44(1):p 40-48, January 2024. | DOI: 10.1097/HCR.0000000000000804
2. Maleki N, Padmanabhan B, Dutta K. Price Transparency in Healthcare in the United States: For Patients Or Algorithms? Journal of Medical Internet Research. 2024 Feb 26. doi: 10.2196/50629. Epub ahead of print. PMID: 38442238.
3. Maleki N, Padmanabhan B, Dutta K (2023), The Effect of Monetary Incentives on Health Care Social Media Content: Study Based on Topic Modeling and Sentiment Analysis, Journal of Med Internet Res 2023;25:e44307, URL: <https://www.jmir.org/2023/1/e44307>, DOI: 10.2196/44307
4. Tanniru MR, Woo C, Dutta K (2023). A Conceptual Model to Share Resources and Align Goals: Building Blockchain Application to Support Care Continuity Outside a Hospital. Journal of Risk and Financial Management. 2023; 16(4):247. <https://doi.org/10.3390/jrfm16040247>
5. A. Ray, W. Jank, K. Dutta, M. Mullarkey (2022) An LSTM+ Model for Managing Epidemics: Using Population Mobility and Vulnerability for Forecasting COVID-19 Hospital Admissions, Accepted at INFORMS Journal on Computing. (*UTD24 Journal*)
6. Arindam Ray, Wolfgang Jank & Kaushik Dutta (2022) Impact of mobility based network on COVID-19 spread, Journal of Business Analytics, 5:2, 179-187, DOI: [10.1080/2573234X.2022.2088411](https://doi.org/10.1080/2573234X.2022.2088411)
7. Singh, V. K., Shivendu, S., & Dutta, K. (2022). Spot instance similarity and substitution effect in cloud spot market. Decision Support Systems, 113815. (*ABDC A* Journal*)
8. Anik Mukherjee, Sundarraj Rangaraja, Debra Vandermeer, Kaushik Dutta (2023). Domain-independent real-time service provisioning in digital platforms: Featuring bundling and customer time-preference. Decision Support Systems, 167(113927). (*ABDC A* Journal*)
9. K. Keshanian, D. Zantedeschi, K. Dutta (2022) Features Selection as a Nash-Bargaining Solution: Applications in Online Advertising and Information Systems, (2022) INFORMS

Journal on Computing, Articles in advance (<https://doi.org/10.1287/ijoc.2022.1190>) April 2022 (*UTD24 Journal*)

10. Mukherjee, A., Sundarraj, R. P., & Dutta, K. (2021). Time-preference-based on-spot bundled cloud-service provisioning. *Decision Support Systems*, 151, 113607. (*ABDC A* Journal*)
11. Adikari, S. & Dutta, K. (2021). Adaptive Ad Network Selection for Publisher-Return Optimization in Mobile-App Advertising. *Decision Sciences*, 52(4), 986-1017. (*ABDC A* Journal*)
12. Sengupta, A., Beckie, T., Dutta, K., Chellappan, S. (2020). Designing a Health Coach-Augmented mHealth System for the Secondary Prevention of Coronary Heart Disease among Women, Accepted for *IEEE Transactions on Engineering Management*. (*ABDC A Journal*)
13. Sengupta, A., Beckie, T., Dutta, K., Dey, A. & Chellappan, S. (2020). A Mobile Health Intervention System for Women With Coronary Heart Disease: Usability Study. *JMIR Formative Research*, 4(6), e16420.
14. Mithas, S., Dutta, K., and Murugesan, S. (2019). Software as the Ouroboros: Implications for Software Developers and Business Leaders. Available at <https://www.cutter.com/article/software-ouroboros-implications-software-developers-and-business-leaders-504696>, *Cutter Business Journal*.
15. Pervin, N., Ramasubbu, N., & Dutta, K. (2019). Habitat Traps in Mobile Platform Ecosystems. *Production and Operations Management*, 28(10), 2594-2608. (*UTD-24 Journal*)
16. Chatterjee, S., Byun, J., Dutta, K., Pedersen, R. U., Pottathil, A., & Xie, H., Designing an Internet-of-Things (IoT) and sensor-based in-home monitoring system for assisting diabetes patients: iterative learning from two case studies. *European Journal of Information Systems* (2018), Volume 27, Issue 6. (*ABDC A* Journal*)
17. X. Xu, K. Dutta, and C. Ge - Do adjective features from user reviews address sparsity and transparency in recommender systems? *Electronic Commerce Research and Applications*, Volume 29, May–June 2018, Pages 113-123
18. S. Adikari, K. Dutta - A new approach to real-time bidding in online advertisements: Auto pricing strategy, *INFORMS Journal on Computing*, 31(1), 66-82 (2019) (*UTD24 Journal*)
19. X. Xiaoying, K. Dutta, A. Datta, C. Ge. – Identifying Functional Aspects from User Reviews for Functionality-Based Mobile App Recommendation, *Journal of the Association for Information Science and Technology* (2017), 69(2), 242-255. (*ABDC A* Journal*)
20. A. Mukherjee, R. P. Sundraraj, K. Dutta, Apriori rule-based in-app ad-selection online algorithm for improving supply-side platform revenues, *ACM Transactions on Management Information Systems (TMIS)*, Volume 8 Issue 2-3, July 2017.
21. K. Dutta, V.K. Singh, P. Chakraborty, S. K. Sidhardhan, B. S. Krishna, C. Dash. Analyzing Big-Five Personality Traits of Indian Celebrities using Online Social Media, *Springer Psychological Studies* (2017), 62(2), 113-124.
22. K. Dutta and D. VanderMeer, Caching to Reduce Mobile App Energy Consumption. *ACM Transactions on Web*, 12(1), Article 5 (September 2017).
23. K. Dutta, D. VanderMeer - Enabling Resource Access Visibility for Automated Enterprise Services, *Journal of Database Management*, Volume 25, Issue 2, 2014 (**Best paper in Library & Information Science category selected by IGI Global**) (*ABDC A Journal*)
24. F. Fang, K. Dutta, and A. Datta, Domain Adaptation for Sentiment Classification in Light of Multiple Sources, *INFORMS Journal on Computing* (2014), 26(3), 586-598. (*UTD-24 Journal*)
25. S. Kajanana, Y. Bao, A. Datta, D. VanderMeer, and K. Dutta - Efficient automatic search query formulation using phrase-level analysis. *Journal of the Association for Information Science and Technology*, Volume 65, Issue 5, pages 1058–1075, May 2014. (*ABDC A* Journal*)

26. R. Shaw, A. Datta, D. VanderMeer, K. Dutta, Building a Scalable Database-Driven Reverse Dictionary – IEEE Transactions on Knowledge and Data Engineering - vol.25, no.3, pp.528-540, March 2013.
27. N. Pervin, F. Fang, A. Datta, K. Dutta, and D. VanderMeer - Fast, Scalable, and Context-Sensitive Detection of Trending Topics in Microblog Post Streams, ACM Transactions on Management Information Systems, Volume 3 Issue 4, January 2013, Article No. 19.
28. D. VanderMeer, K. Dutta, and A. Datta – A Cost-Based Database Request Distribution Technique for Online E-Commerce Applications, MIS Quarterly, 36(2), 479-507, 2012. (*UTD-24 Journal*)
29. A. Dutta, K. Dutta. Q. Liang, D. VanderMeer - SOA Performance Enhancement through XML Fragment Caching - Information Systems Research, Volume 23 Issue 2, 06 2012, Pages 505-535. (*UTD-24 Journal*)
30. D. Batra, D. VanderMeer, and K. Dutta - Extending Agile Principles to Larger, Dynamic Software Projects: A Theoretical Assessment – Journal of Database Management - 22(4), 73-92, October-December 2011. (*ABDC A Journal*)
31. K. Dutta, D. VanderMeer, K. Ramamritham - Managing RFID Events in Large-Scale Distributed RFID Infrastructures - Information Technology and Management, Volume 12, Number 3, 253-272, 2011.
32. S. Gupta, K. Dutta, Modeling of Financial Supply Chain - European Journal of Operational Research. Volume 211, Issue 1, Pages: 47-56 (2011). (*ABDC A* Journal*)
33. K. Dutta and D. VanderMeer - Cost-Based Decision-Making in Application Virtualization Environments - European Journal of Operational Research, Volume 210, Issue 2, April 16, 2011, Pages 344-357. (*ABDC A* Journal*)
34. D. Batra, W. Xia, D. VanderMeer, K. Dutta - Balancing agile and structured approaches to manage large distributed software projects: A case study from the cruise line industry. Communications of the AIS, 2010, 27(1), 379–394.
35. Tremblay, K. Dutta, and D. VanderMeer - Using Data Mining Techniques to Discover Systematic Biases in Missing Data – ACM Journal of Data and Information Quality, Volume: 2, Issue: 1, Pages: 1-19, 2010.
36. S. Kumar, K. Dutta, and V. Mookerjee - Maximizing Business Value by Optimal Assignment of Jobs to Resources in Grid Computing - European Journal of Operational Research, Volume 194, Issue 3, May 1, 2009, Pages 856-872. (*ABDC A* Journal*)
37. D. VanderMeer, K. Dutta. - Applying Learner-Centered Design Principles to UML Sequence Diagram—Journal of Database Management, Vol. 20, Issue 1, 2009, 25-47 pages. (*ABDC A Journal*)
38. K. Dutta, R. Rangaswami, S. Kundu - Workload-based Generation of Administrator Hints for Optimizing Database Storage Utilization — ACM Transactions on Storage, Vol. 3, No. 4, Article 16, February 2008.
39. K. Dutta, D. VanderMeer, H. Thomas, A. Datta, K. Ramamritham - ReDal: Request Distribution for the Application Layer – IEEE Transactions on Parallel and Distributed Systems, Volume 18, Issue 11, November 2007, Pages 1516-1528.
40. R. Lee, K. Dutta, K. Henry, V. Nguyen - Controls As a Sharable Knowledge Commodity: An Architecture for Open Exchange – Group Decision and Negotiation, Volume 16, Number 2, March 2007, Pages 143-167. (*ABDC A Journal*)
41. K. Dutta, D. VanderMeer, A. Datta, P. Keskinocak, and K. Ramamritham – A Fast Method for Discovering Critical Edge Sequences in Ecommerce Catalogs – European Journal of Operational Research, Volume 181, Issue 2, September 2007, Pages 855-871. (*ABDC A* Journal*)

42. K. Dutta, H. Thomas, A. Datta, P. Keskinocak - Linearized Model of Object Caching and Heuristic Solution — IEEE Transactions on Systems, Man, and Cybernetics-Part C: Applications and Reviews, Volume 37, Number 5, September 2007, Page 815-826.
43. V. Nguyen, R. Lee, K. Dutta, An Aspect Architecture for Modeling Organizational Controls in Workflow Systems, Asian Network for Scientific Information Technology Journal, Volume 5, Issue 3, 2006, Pages 460-470.
44. K. Dutta, S. Soni, S. Narasimhan, A. Datta - Optimization in Object Caching - INFORMS Journal on Computing, Volume 18, Issue 2, Spring 2006, Page 243-254, by K. Dutta. (*UTD-24 Journal*)
45. A. Datta, K. Dutta, H. Thomas, D. VanderMeer, K. Ramamritham - Proxy-Based Acceleration of Dynamically Generated Content on the World Wide Web: An Approach and Implementation, ACM Transactions on Database Systems (TODS), Volume 29, Issue 2, June 2004, Pages 403-443.
46. A. Datta, K. Dutta, H. Thomas, D. VanderMeer, World Wide Wait: A Study of Internet Scalability and Cache Based Approaches to Alleviate it, INFORMS Management Science, Volume 49, Issue 10, October 2003, Pages 1425-1444. (*UTD-24 Journal*)
47. D. VanderMeer, A. Datta, K. Dutta, K. Ramamritham, and S. Navathe, Mobile User Recovery in the Context of Internet Transactions, IEEE Transactions on Mobile Computing, Volume 2, Issue 2, April-June 2003, Pages 132-146.
48. A. Datta, K. Dutta, K. Ramamritham, H. Thomas, D. VanderMeer, Accelerating Dynamic Web Content Generation, IEEE Internet Computing, Volume 6, Number 5, September 2002, Pages 27-36.
49. A. Datta, K. Dutta, D. VanderMeer, K. Ramamritham, S. Navathe, An Architecture to Support Scalable Online Personalization on the Web, Very Large Database Journal, Volume 10, Number 1, August 2001, Pages 104-117.

Peer-Reviewed Conference Proceedings / Presentations

1. Enock Chemoche, Daniel Zantedeschi, Kaushik Dutta (2023), Understanding Hidden Bias in Data: Combining Shapley Value and Structural Equation Models (SHAP-SEM), Workshop of Information Technology and Systems 2023.
2. N. Maleki, B. Padmanabhan and K. Dutta, "Representing Social Networks as Dynamic Heterogeneous Graphs," 2022 IEEE International Conference on Data Mining Workshops (ICDMW), Orlando, FL, USA, 2022, pp. 1-10, doi: 10.1109/ICDMW58026.2022.00098.
3. A cross-domain recommendation approach integrating offline and online behavior; Arindam Ray, Kaushik Dutta; Workshop of Information Technology and Systems (2022), Copenhagen, Denmark.
4. Information Technology Interventions in Cardiac Rehabilitation: A Theory Driven Approach; Avijit Sengupta, Anol Bhattacharjee, Kaushik Dutta; International Conference of Information Systems (ICIS), 2020, Hyderabad, India. (**Nominated for student best paper**)
5. Information Technology Interventions in Self-Management of Chronic Diseases: A Technology Affordance Perspective; Avijit Sengupta, Kaushik Dutta, Anol Bhattacharjee; MISQ Virtual Author Development Workshop 2020 (August 15).
6. Ecological Momentary Assessment based Behavior Interventions for Secondary Prevention of Coronary Heart Disease; Avijit Sengupta, Kaushik Dutta; Americas Conference on Information Systems (AMCIS), 2020, Salt Lake City, USA.
7. Keshanian, K. and Dutta, K. Selecting the Best Subset of Features Using a Game-theoretic Approach: Applications in Information Systems", Americas Conference on Information Systems (AMCIS 2020); Online due to COVID-19.

8. Ray, A., Keshanian, K., Jank, W., Dutta, K., and Mullarkey, M. "Data-Driven Hospital Capacity Management for Pandemics: Forecasting COVID-19 Admissions based on Population Mobility", INFORMS Workshop on Data Science (2020).
9. Ray, A., Keshanian, K., Jank, W., Dutta, K., and Mullarkey, M. "Towards a Long Short-Term Memory Network Model for Forecasting COVID-19 Hospital Admissions", Workshop on Information Technologies and Systems (WITS 2020).
10. Anik Mukherjee, R P Sundarraj and Kaushik Dutta. (2019) "Cloud on-spot resource management problem"- International Conference on Design Science Research in Information Systems and Technology (DESRIST 2019)
11. Keshanian, K. and Dutta, K. "Increasing In-store Visits by Identifying Key Attributes in Mobile Advertising Through the Lens of Optimization and Machine Learning," Conference on Design Science Research in Information Systems and Technology (DESRIST 2019).
12. A. Sengupta and K. Dutta - Designing a Home-Based Cardiac Rehabilitation System for Secondary Prevention of Coronary Heart Disease. 14th DESRIST Conference.
13. A. Sengupta, T. Beckie, K. Dutta - Designing User Interfaces for Ecological Momentary Assessments for Superior User Engagement: A Theory Driven Approach. In the proceeding of 24th Americas Conference on Information Systems, New Orleans, USA, 2018.
14. V. Singh, K. Dutta, B. Padmanabhan - Proactive threat prediction using LSTM in cloud computing. 2018 Conference on Data Science for Business and Economics, Krannert School of Management, Purdue University, IN, USA (2018).
15. V. Singh and K. Dutta - SCARF: A Secured Cloud Filesystem. 13th International Conference on Design Science Research in Information Systems and Technology (DESRIST), IIT Madras, India, 2018.
16. V. Singh and K. Dutta - Predicting Security Events in Cloud Computing. 24th Americas Conference on Information Systems, New Orleans, LA, 2018.
17. C. Daniel, K. Dutta - Automated Generation of Latent Topics on Emerging Technologies from YouTube Video Content, 51st Hawaii International Conference on Systems Sciences 2018 (Nominated for best paper)
18. A. Sengupta, K. Dutta, and T. Beckie - Designing Theory Driven Graphic User Interfaces for Changing Behavior of Women with Coronary Heart Disease, Workshop of Information Technology and Systems, Seoul, Korea, December 2017.
19. S. Chakraborty, K. Dutta, D. Berndt - Blockchain-Based Resource Management System (December 14, 2017). Available at SSRN: <https://ssrn.com/abstract=310435>, Workshop of Information Technology and Systems, Seoul, Korea, December 2017.
20. A. Sengupta, K. Dutta, T. Beckie - Home-based Cardiac Rehabilitation for Secondary Prevention of Coronary Heart Disease. International Conference on Home Healthcare, Hospice, and Information Technology, Georgetown University, Washington DC, November 3, 2017.
21. S. Adhikari, K. Dutta, J. Hahn - Temporal feature grouping based campaign optimization in Real-time bidding digital advertising, Workshop of Information Technology and Systems, Dublin, Ireland, December 2016 (**Best paper award**).
22. S. Adhikari, K. Dutta - Selection of Ad Networks by Publishers in Mobile App Advertising, Workshop of Information Technology and Systems, Dublin, Ireland, December 2016.
23. A. Mukherjee, R. P. Sundarraj, K. Dutta - On Considering Customer's Short-term Preferences for Resource Allocation in Cloud Computing Spot Markets, Workshop of Information Technology and Systems, Dublin, Ireland, December 2016.
24. S. Chakraborty, K. Dutta, D. Berndt - An Analysis of Stability of Inter-bank Loan Network: A Simulated Network Approach, Proceedings of Hawaii International Conference on Systems Sciences (2017).

25. A. Mukherjee, R. P. Sundarraj, K. Dutta - Architecture of in-app ad recommender system, 11th International Conference on Design Science Research in Information Systems and Technology (DESRIST) 2016. St. John, Canada, 23-25 May. DESRIST 2016, 2016.
26. A. Mukherjee, S. Sundarraj, and K. Dutta - Online Programmatic Ad-Placement for Supply Side Platform of Mobile Advertisement: An Apriori Rule-generation Approach, Proceedings of Workshop of Information Technology and Systems, Dallas, USA, December 2016.
27. S. Adhikar and K. Dutta - Auto Pricing Strategy for Real-Time Bidding in Advertising: A Dynamic Programming Approach, Proceedings of International Conferences on Information Systems, Dallas, USA, December 2016.
28. S. Adhikari, K. Dutta - Real-Time Bidding in Online Digital Advertisement, in Proceedings of 10th DESRIST (Design Research in Information Systems and Technology), Dublin, Ireland, June 2015.
29. A. Mukherjee, R. Sundarraj, K. Dutta - An Online Algorithm for Programmatic Advertisement Placement in Supply Side Platform of Mobile Advertisement, in Proceedings of 19th PACIS (Pacific Asia Conference on Information Systems), Singapore, May 2015.
30. V. Singh, K. Dutta - Dynamic Price Prediction for Amazon Spot Instances, in Proceedings of HICSS (Hawaii International Conference on Systems Sciences), Kauai, USA, January 2015.
31. D. VanderMeer, Karthick, K. Dutta - Using Topics to Identify Users Across Different Social Networks, in Proceedings of 24th Workshop on Information Technologies and Systems (WITS), New Zealand. December 14-17, 2014.
32. X. Xu, F. Fang, K. Dutta, and A. Datta - A Hybrid Recommendation Model by Applying Bayesian Network to User Ratings and Tags, in Proceedings of 24th Workshop on Information Technologies and Systems (WITS), Auckland, New Zealand. December 17-19, 2014.
33. X. Xu, K. Dutta, A. Datta - Functionality-Based Mobile App Recommendation by Identifying Aspects from User Reviews, in Proceedings of 35th International Conference on Information Systems (ICIS), Auckland, New Zealand. December 14-17, 2014.
34. S. Adhikari, K. Dutta - Identifying Fake Profiles in LinkedIn, 18th Pacific Asia Conference on Information Systems (PACIS 2014), Chengdu, China, 2014.
35. S. Kajanana, K. Dutta, A. Datta, - No more spray and pray audience targeting in Mobile World, Workshop of Information Technology and Systems 2013, Rome, Italy.
36. F. Fang, K. Dutta, A. Datta - LDA-Based Industry Classification, in Proceedings of International Conference on Information Systems (ICIS) 2013, Rome, Italy.
37. X. Xiaoying, K. Dutta, A. Datta - Using Critic Reviews to Boost New Item Recommendation in Cold Start Settings, in Proceedings of International Conference on Information Systems (ICIS) 2013, Rome, Italy.
38. V. Singh, K. Dutta, D. VanderMeer - Estimating the Energy Consumption of Executing Software Processes, 2013 IEEE Green Computing and Communications (GreenCom), vol., no., pp.94 - 101, 2013.
39. K. Dutta. V. Sing, D. VanderMeer - Estimating Operating System Process Energy Consumption in Real-Time, in Proceedings of Design Science Research in Information Systems and Technologies (DESRIST) conference, 2013.
40. S. Chatterjee, K. Dutta, H. (Qi) Xie, J. Byun, A. Pottathil, M. Moore - Persuasive and Pervasive Sensing: A New Frontier to Monitor, Track and Assist Older Adults Suffering from Type-2 Diabetes, in the proceedings of 46th Hawaii International Conference on System Sciences (HICSS), 2013.
41. Fang, F., Datta, A., and Dutta, K. - A Hybrid Method for Cross-domain Sentiment Classification Using Multiple Sources, In Proceedings of 2012 International Conference on Information Systems (ICIS), Orlando, Florida, USA, December 16-19, 2012.

42. S. Kajanan, N. Pervin, R. Narayan, A. Datta, K. Dutta - Takeoff and Sustained Success of Apps in Hypercompetitive Mobile Platform Ecosystems: An Empirical Analysis, In Proceedings of 2012 International Conference on Information Systems (ICIS), Orlando, Florida, USA, December 16-19, 2012.
43. N. Ramasubbu, K. Sangaralingam, N. Pervin, K. Dutta, and Anindya Datta - Surviving Hyper-Competitive, Unforgiving Platform Ecosystems: Examining Developer Strategies in iOS and Android Marketplaces, Workshop of Information Technologies and Systems, Orlando, Florida, USA, 2012.
44. S. Kajanan, A. Mohd Shariff, K. Dutta, A. Datta - Resolving Name Conflicts for Mobile Apps in Twitter Posts. Shaping the Future of ICT Research (IFIP WG 8.2). Methods and Approaches. A. Bhattacharjee and B. Fitzgerald, Springer Berlin Heidelberg. Volume 389, 2012, pp 3-17.
45. X. Xu, A., K. Dutta - Using Adjective Features from User Reviews to Generate Higher Quality and Explainable Recommendations. Shaping the Future of ICT Research (IFIP WG 8.2). Methods and Approaches. A. Bhattacharjee and B. Fitzgerald, Springer Berlin Heidelberg. 389: 18-34, 2012.
46. S. Chatterjee, K. Dutta, Qi Xie - A Predictive Modeling Engine Using Neural Networks: Diabetes Management from Sensor and Activity Data, Proc. for IEEE Healthcom 2012, Beijing, China, October 2012.
47. S. Kundu, R. Rangaswami, A. Gulati, M. Zhao, K. Dutta - Modeling Virtualized Applications using Machine Learning Techniques – in the proceedings of Eighth Annual International Conference on Virtual Execution Environments (VEE 2012)
48. S. Chatterjee, Jongbok Byun, Akshay Pottathil, Miles Moore, Qi Xie, Kaushik Dutta. Persuasive Sensing: A Novel In-Home Monitoring Technology to Assist Elderly Adult Diabetic Patients, in Proc. 7th International Conference on Persuasive Technology 2012, June 6–8, 2012, Linköping, Sweden.
49. K. Dutta, D. VanderMeer, - Reduce, Reuse, Recycle: Building Greener Software – in the proceedings of INFORMS Conference of Information Systems and Technology 2011.
50. F. Fang, N. Pervin, A. Datta, K. Dutta, and D. VanderMeer- Detecting Twitter Trends in Real-Time, in the proceedings of Workshop of Information Technologies and Systems 2011.
51. S. Kajanan, A. Shafeeq Bin Mohd Shariff, A. Datta, K. Dutta, and D. Paul - Twitter Post filter for Mobile Applications, in the proceedings of Workshop of Information Technologies and Systems 2011.
52. S. Chatterjee, K. Dutta, H. Xie, J. Byun, A. Pottahil - Mining Behavior Profiles and Health Patterns from In-Home Monitoring of Sensor Data, in the proceedings of Workshop of Information Technologies and Systems 2011.
53. S. Kajanan, B. Yang. A. Datta, D. VanderMeer, K. Dutta - Enabling True Query by Document - in the proceedings of Workshop of Information Technologies and Systems 2010.
54. S. Kundu, R. Rangaswami, K. Dutta, M. Zhao - Application Performance Modeling in a Virtualized Environment – in the proceedings of IEEE International Symposium on High-Performance Computer Architecture 2010.
55. M. C. Tremblay, K. Dutta, D. VanderMeer - Using Data Mining Techniques to Discover Systematic Biases in Missing Data - in the proceedings of Workshop of Information Technologies and Systems 2008.
56. A. Datta, D. VanderMeer, K. Dutta - Enabling Comprehensive and Correlative Top-to-Bottom Business Service Visibility - in the proceedings of Workshop of Information Technologies and Systems 2008.
57. K. Dutta, K. Ramamritham, B. Karthik, K. Laddhad - Real-Time Event Handling in an RFID Middleware System, in the proceedings of 5th International Workshop on Databases in

Networked Information Systems (SpringerLink Lectures Notes in Computer Science, Volume 4777, 2007, Pages 232-251).

58. K. Dutta, R. Rangaswami - STORM: An Approach to Database Storage Management in Clustered Storage Environments, in the proceedings of Seventh IEEE International Symposium on Cluster Computing and the Grid, May 2007 Page 565 - 574.
59. B. Menezes, K. Laddhad, Karthik B., K. Dutta - Challenges in RFID Deployment – A Case Study in Public Transportation, in the proceedings of International Conference on E-Governance, Dec. 15-17, 2006, Delhi, India, Pages 67 – 74. (**Selected as Best Paper**).
60. D. VanderMeer, K. Dutta - Digital Rights Management in Multi-set Authored eLearning Materials, in the proceedings of Workshop on Information Technologies and Systems 2006.
61. V. Nguyen, R. Lee, K. Dutta - Enhancing the Design of Business Process Models Through Decomposition of Workflow Processes and Control, in the proceedings of 1st International Conference on Design Science Research 2006, Pages 172-191.
62. S. Kumar, K. Dutta, Vijay Mookherjee - Resource Scheduling in Grid Computing Networks to Maximize Business Value, in the proceedings of Workshop on Information Technologies and Systems 2005.
63. D. VanderMeer, H. Thomas, K. Dutta, A. Datta, K. Ramamritham - ReDAL: Request Distribution for the Application Layer, Proceedings 25th IEEE International Conference on Distributed Computing Systems 2005, Pages 717-726.
64. S. Ahmed, K. Dutta, S. Soni - Optimization in Application Virtualization, Proceedings of Workshop on Information Technologies and Systems 2004.
65. A. Datta, K. Dutta, D. VanderMeer, H. Thomas, R. Chamarajnagar - An Efficient Approach for Application Server Configuration, Proceedings of Workshop on Information Technologies and Systems 2004.
66. D. VanderMeer, A. Datta, K. Dutta, H. Thomas, K. Ramamritham, S. Navathe - FUSION: A System Allowing Dynamic Web Service Composition and Automatic Execution, Proceedings of IEEE International Conference on Electronics Commerce, June 2003, Pages 399- 404.
67. A. Datta, K. Dutta, H. Thomas, D. VanderMeer, Suresha, K. Ramamritham - Proxy-Based Acceleration of Dynamically Generated Content on the World Wide Web: An Approach and Implementation, Proceedings of ACM SIGMOD Conference 2002, Pages 97-108.
68. K. Dutta, D. VanderMeer, A. Datta, K. Ramamritham - User Action Recovery in Internet SAGAs (iSAGAs), Workshop on Technologies for E-Services (TES) 2001, Springer Lecture Notes in Computer Science, Volume 2193/2001, Pages 132-146.
69. A. Datta, K. Dutta, H. Thomas, D. VanderMeer, K. Ramamritham, D. Fishman - A Comparative Study of Alternative Middle Tier Caching Solutions to Support Dynamic Web Content Acceleration, Proceedings of 27th International Conference on Very Large Databases, 2001, Pages: 667 – 670.
70. K. Dutta, H. Thomas, A. Datta, S. Soni, S. Narasimhan - Optimization Approaches for Accelerating Dynamic Content in E-business, Proceedings of IEEE International Conference on Systems, Man, and Cybernetics 2001, Volume 5, October 2001, Page 3032.
71. K. Dutta, D. VanderMeer, A. Datta, K. Ramamritham - Discovering Critical Edge Sequences in E-Commerce Catalogs, Proceedings of 3rd ACM Conference on E-Commerce, 2001, Pages 65-74.
72. K. Dutta, D. VanderMeer - State Recovery in Internet Transactions, Proceedings of 3rd International Workshop on Advanced Issues of E-Commerce and Web-based Information Systems (WECWIS) 2001, Pages 156-158.

73. A. Datta, K. Dutta, K. Ramamritham, H. Thomas, D. VanderMeer - Dynamic Content Acceleration: A Caching Solution to Enable Scalable Dynamic Web Page Generation, Proceedings of ACM SIGMOD Conference 2001, Pages 616.
74. K. Dutta, D. VanderMeer, A. Datta - Efficiently Finding Most Popular Paths for E-Commerce Catalogue, Proceedings of 10th Workshop on Information Technologies and Systems (WITS) 2000, (this paper was nominated as the best paper candidate in WITS 2000).
75. D. VanderMeer, K. Dutta, A. Datta, K. Ramamritham and S. Navathe - Enabling Scalable Online Personalization on the Web, Proceedings of 2nd ACM Conference on E-Commerce 2000, Pages: 185 – 196.
76. K. Dutta, A. Datta, D. VanderMeer, K. Ramamritham, H. Thomas – Demonstration: Enabling Scalable Online Personalization on the Web, Proceedings of 26th International Conference on Very Large Databases 2000, Pages 631-634.

Book Chapters

1. Garimella, K., Dutta, K. (2023). Blockchain Architecture for the Healthcare Ecosystem. In: Lu, C., Tanniru, M. (eds) Blockchain in Healthcare. Future of Business and Finance. Springer, Cham. https://doi.org/10.1007/978-3-031-45339-7_2
2. K. Dutta, A. Ghoshal, S. Kumar – The Interdependence of Data Analytics and Operations Management, The Routledge Companion to Production and Operations Management, Edited by Martin K. Starr and Sushil K. Gupta (2017).
3. S. Kumar, K. Dutta, Y. Ji – Telecommunications and Operations Management, The Routledge Companion to Production and Operations Management, Edited by Martin K. Starr and Sushil K. Gupta (2017)
4. K. Dutta – Distributed Computing Technologies in Big Data Analytics, Distributed Computing in Big Data Analytics, Edited by Sourav Mazumder, Robin Singh Bhadoria, Ganesh Chandra Deka. Published by Springer (2017).

Patents

1. System and method for a secured cloud file system, V. Singh, K. Dutta, B. Padmanabhan, S. Sasidharan. US Patent 62/628367.
2. Data Caching for Mobile Applications to Reduce Energy Consumption in Mobile Devices, K. Dutta, A. Datta. US Provisional Application No. 61/818,488, 2015.
3. A Technique to Perform Document Driven Search in Real-Time, A. Datta, S. Kajanjan, K. Dutta. US Provisional Patent Application No. 61/703,559, 2014.
4. Method and apparatus for accelerating web services, A. Datta, K. Dutta. US 20040216127A1 (19) United States (12), 2004.

RESEARCH FUNDING

1. ISDS Practice Center: Robotic Automation for Raymond James, \$16,000 (PI), 2018.
2. ISDS Practice Center: Analytics on Customer Transactions for PSCU, \$16,000 (PI), 2018.
3. Muma Fellowship, \$15,000 (PI), 2018.
4. ISDS Practice Center: Ethernet Services for Verizon, \$32,940 (PI), 2017.
5. NSF Grant, I-Corps: Graphics Processing Unit-Based Data Management System Software, \$50,000 USD (co-PI), 2017.
6. ISDS Practice Center: Interconnecting IoT for PSCU, \$15,300 (PI), 2017.
7. ISDS Practice Center: Capacity Management for Verizon, \$16,000 (PI), 2017.

8. Microsoft Azure Educator Grant, Azure Credit of \$5,250 distributed across 100 students (PI), 2016.
9. ISDS Practice Center: Data Mining & Scripting Project at Verizon, \$53,120 (PI), 2016.
10. ISDS Practice Center: Geospatial Engineering and Analytics Platform at Verizon, \$15,000 (PI), 2015.
11. ISDS Practice Center: Predictive Learning Model at Verizon, \$15,000 (PI), 2015.
12. Technology Fee Grant for the development of USF Cloud for MSMIS program, \$650,000. (Project Proposer), 2015.
13. National Research Foundation, Singapore - Optimized Energy Measurement & Verification (M&V) Protocol for Existing Buildings, SGD 756,730. (Co-PI with another faculty from the Department of Building), 2014.
14. National Research Foundation, Singapore – Intelligent Information Management System for Smart-Buildings using Multi-Agent-Enabled Wireless Sensor-Actuated Networks, SGD 968,500 (Co-PI with two more faculties from the Department of Building and Department of Electrical Engineering), 2014.
15. Huawei (China), Data Caching for Mobile Applications to Reduce Energy Consumption in Mobile Devices. SGD 187,000. (PI), 2014.
16. Ministry of Education, Singapore Grant - Estimating Energy Consumption of an Application, SGD 120,000 (PI), 2013.
17. Ministry of Education, Singapore Grant - Reduce, Reuse, Recycle: Building Greener Software. SGD 150,000 (PI), 2011
18. FIU CIBER Grant, Adapting Agile Principles for Large Distributed Software Project, \$10,000 (PI), 2009.

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

School/College

1. Anderson Professorship, Muma College of Business, University of South Florida (Since 2024)
2. Muma Fellowship at Muma College of Business, University of South Florida, 2018 – 2021, 2021-2024 for research.
3. Global Student Success Award at University of Florida, 2019.
4. Service award at College of Business, Florida International University, 2008 for outstanding service.
5. Research award at College of Business, Florida International University, 2008.
6. Research award at College of Business, Florida International University, 2007.
7. Lawrence A. Stessin Faculty award at College of Business, Florida International University, 2005.
8. Research award at College of Business, Florida International University, 2005.
9. Research award at College of Business, Florida International University, 2004.

Community

1. 2021 Best Paper in Healthcare Track and best student paper, International Conference of Information Systems.
2. 2016 Best paper award at Workshop of Information Technology and Systems, Dublin, Ireland.

3. 2014 Best paper award in Library and Information Science category selected by IGI Global publishing.

PROFESSIONAL ACTIVITIES AND SERVICES

Journal Editor

1. Associate Editor – INFORMS Journal on Computing (2020 onwards)
2. Associate Editor – Journal of Business Analytics (2021 onwards)
3. Senior Editor – Decision Support Systems (2022 onwards)
4. Special Issue Guest Editor – ACM Transactions on Management Information Systems (2018)
5. Special Issue Guest Editor – IEEE Transactions on Engineering Management (2018)
6. Editorial Review Board – Information Systems Research (2023 onwards)
7. Review Board – Journal of Association of Information Systems (Since 2017)
8. Area Editor (Database) – Elsevier Journal of Systems and Software. (2007 - 2016)
9. Special Issue Guest Associate Editor – European Journal of Information Systems (2015)
10. Special Issue Guest Senior Editor – Productions and Operations Management (2015)
11. Associate Editor – Springer Information Technology and Management (Since 2011)
12. Review Board – Journal of Database Management (Since 2010)

Track Chair

1. International Conference on Information Systems 2021
2. Pacific Conference on Information Systems 2023

Associate Editor

1. International Conference on Information Systems 2009, 2010, 2013, 2014, 2017, 2018.

Conference Program Chair

1. 28th Workshop on Information Technology and Systems, December 2018.
2. 13th International Conference on Design Science Research in Information Systems and Technology, June 2018.

University Committees / Services

1. Associate Chair, Information Systems and Decision Sciences (August 2018 – July 2019)
2. Muma College of Business Financial Management Progress Review Team (Since August 2018)
3. Founding Director, Weekend Executive MS in Business Analytics and Information Systems (since 2017)
4. Director, MS in Business Analytics and Information Systems (since 2016)
5. USF, Undergraduate Council (2016)
6. NUS Graduate Admission Committee (Since 2011)
7. FIU, Undergraduate Curriculum Committee of College of Business. (2006 - 2011)
8. FIU, AACSB Accreditation Committee of College of Business. (2007 - 2011)
9. FIU, Faculty Search Committee of Decision Science and Information Systems Department. (2005 - 2011)

10. FIU, MIS Undergraduate Major Curriculum Committee of Decision Science and Information Systems Department. (2005 - 2011)
11. FIU, Tenure and Promotion Committee of College of Business. (2009 - 2010)
12. FIU, University Faculty Senate (2007 - 2010)
13. FIU, University Undergraduate Council (2007-2008)

Member of Dissertation Committees for Doctoral Students

Doctoral Student	Host Institute	Role	Current Status	Graduation Year
Jessica Elrefaei	USF, Big Data PhD	Advisor	Current PhD Student	
Enock Chemohek	USF, Information Systems	Advisor	Current PhD Student	
Sonal Prabhune	USF, Big Data PhD	Advisor	Current PhD Student	
Negar Maleki	USF, Big Data PhD	Advisor	Data Scientist, GE Corporate	2023
Arindam Ray	USF, Information Systems	Advisor	Assistant Professor, University of North Carolina, Greensboro	2024
Kimia Keshanian	USF, Information Systems	Advisor	Assistant Professor, University of Tampa	2021
Avijit Sengupta	USF, Information Systems	Advisor	Assistant Professor, University of Queensland, Brisbane, Australia	2021
Anik Mukherjee	IIT, Department of Management Studies	Co-Advisor	Assistant Professor, Indian Institute of Technology Roorkee	2021
Vivek Singh	USF, Information Systems	Advisor	Assistant Professor, University of Minneapolis, St. Louis	2019
Shalinda Adikari	NUS, Information Systems	Advisor	Lecturer, National University of Singapore	2017

S. Kajan	NUS, Information Systems	Advisor	Chief Data Scientist, Mobilewalla Inc., Singapore	2015
Fang Fang	NUS Information Systems	Co-author and Dissertation Committee Member	Assistant Vice President, GIC Singapore	2015
Nargis Parvin	NUS Information Systems	Co-author and Dissertation Committee Member	Assistant Professor, Indian Institute of Technology Madras	2015
Xu Xioying	NUS Information Systems	Advisor	Assistant Professor, South China University of Technology, China	2015
Sajib Kundu	FIU, Computer Science	Dissertation Committee Member and Co-author	Research Staff, Riverbed Technology	2012
Ramakrishna Varadarajan	FIU, Computer Science	Dissertation Committee Member	Research Staff, Akamai Inc., USA	2011
Naveen Jain	FIU, Management Information Systems	Dissertation Committee Member	Assistant Professor, Middlesex University, Dubai	2011
Che-Hung Liu	FIU, Management Information Systems	Dissertation Committee Member	Associate Professor, National University of Tainan	2011
Chen Kuo Pai	FIU, Management Information Systems	Dissertation Committee Member	Assistant Professor, Macau University of Science and Technology	2010
Vu Nguyen	FIU, Management Information Systems	Dissertation Committee Member and Co-author	CEO, Smartsign, Lecturer, Vietnam	2010

Thant Sin	FIU, Management Information Systems	Dissertation Committee Member	Assistant Professor, Texas A&M University Laredo	2010
Medha Bhadkamkar	FIU, Computer Science	Dissertation Committee Member	Principal Engineer, Hewlett Packard Enterprise, USA	2010
David Hinds	FIU, Management Information Systems	Dissertation Committee Member	Associate Professor, Nova Southeastern University	2010
Faisal Kaleem	FIU, Electrical Engineering	Dissertation Committee Member	Associate Professor, Metropolitan State University	2009
Kenneth R. Henry	FIU, Management Information Systems	Dissertation Committee Member	Lecturer, Florida International University	2008