

RINKU DEWRI

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EDUCATION

<i>Doctor of Philosophy</i> Computer Science Colorado State University, USA Dissertation: <i>Multi-Criteria Analysis in Modern Information Management</i>	Jun 2010
<i>Master of Science</i> Mathematics and Computing Indian Institute of Technology, Kharagpur, India Thesis: <i>Inverse Modeling Using Evolutionary Approaches: An Application</i>	May 2004
<i>Bachelor of Science</i> Mathematics and Computing Indian Institute of Technology, Kharagpur, India	May 2004

ACADEMIC AND PROFESSIONAL POSITIONS

<i>Associate Professor</i> Department of Computer Science, University of Denver, USA	Sep 2016 -
<i>Privacy Consultant</i> Pango Inc., San Francisco, California, USA	Feb 2020 - Jun 2020
<i>Assistant Professor</i> Department of Computer Science, University of Denver, USA	Sep 2010 - Aug 2016
<i>Summer Instructor</i> Department of Computer Science, Colorado State University, USA	May 2010 - Aug 2010
<i>Graduate Teaching Assistant</i> Department of Computer Science, Colorado State University, USA	Jan 2010 - May 2010
<i>Graduate Research Assistant</i> Department of Computer Science, Colorado State University, USA	May 2007 - Dec 2009
<i>Graduate Teaching Assistant</i> Department of Computer Science, Colorado State University, USA	Aug 2004 - May 2007

TEACHING

- COMP4722: Network Security
- COMP4704: Secure Computation Models
- COMP4704: Secure Systems Management
- COMP4704: Data Deanonimization
- COMP4705: Internet Security Technologies
- COMP3704: Privacy-Preserving Data Mining
- COMP3704: Data Mining
- COMP3731: Computer Forensics
- COMP3361: Operating Systems I
- COMP3704: Foundations of Information Privacy
- COMP3704: Privacy in Large Databases

RESEARCH INTERESTS

- Privacy document analysis
- Usable privacy communication
- Private record linkage
- Situational awareness in critical infrastructures
- Security risk management

PUBLICATIONS

Conference Proceedings

1. Andrick Adhikari, Sanchari Das and Rinku Dewri **“PolicyPulse: Precision Semantic Role Extraction for Enhanced Privacy Policy Comprehension”**, Network and Distributed System Security Symposium (NDSS 2025), San Diego, USA, February 24-28, 2025.
2. Srinidhi Madabhushi and Rinku Dewri **“Characterizing Prediction Model Responses to Attack Inputs: A Study with Time-Series Power Consumption Data”**, 5th International Workshop on Cyber-Physical Security for Critical Infrastructures Protection (CPS4CIP 2024), Bydgoszcz, Poland, September 16-20, 2024.
3. Urvashi Kishnani, Naheem Noah, Sanchari Das and Rinku Dewri **“Assessing Security, Privacy, User Interaction, and Accessibility Features in Popular E-Payment Applications”**, 2023 European Symposium on Usable Security (EuroUSEC 2023), Copenhagen, Denmark, October 16-17, 2023.
<https://doi.org/10.1145/3617072.3617102>
4. Srinidhi Madabhushi and Rinku Dewri **“On the Impact of Model Tolerance in Power Grid Anomaly Detection Systems”**, 18th International Conference on Information Systems Security (ICISS 2022), Tirupati, India, December 16-20, 2022.
https://doi.org/10.1007/978-3-031-23690-7_13
5. Karin Mortl and Rinku Dewri **“Generating-Set Evaluation of Bloom Filter Hardening Techniques in Private Record Linkage”**, 18th International Conference on Information Systems Security (ICISS 2022), Tirupati, India, December 16-20, 2022.
https://doi.org/10.1007/978-3-031-23690-7_3

6. Urvashi Kishnani, Naheem Noah, Sanchari Das and Rinku Dewri **"Privacy and Security Evaluation of Mobile Payment Applications Through User-Generated Reviews"**, 21st Workshop on Privacy in the Electronic Society (WPES 2022), Los Angeles, USA, November 7, 2022.
<https://doi.org/10.1145/3559613.3563196>
7. Andrick Adhikari, Sanchari Das and Rinku Dewri **"Privacy Policy Analysis with Sentence Classification"**, 19th Annual International Conference on Privacy, Security and Trust (PST 2022), Fredericton, Canada, August 22-24, 2022.
<https://doi.org/10.1109/PST55820.2022.9851977>
8. Srinidhi Madabhushi and Rinku Dewri **"Detecting Demand Manipulation Attacks on a Power Grid: A Comparative Study Of Static Threshold Mechanisms"**, 18th Annual International Conference on Privacy, Security and Trust (PST 2021), Auckland, New Zealand, December 13-15, 2021.
<https://doi.org/10.1109/PST52912.2021.9647758>
9. Andrick Adhikari and Rinku Dewri **"Towards Change Detection in Privacy Policies with Natural Language Processing"**, 18th Annual International Conference on Privacy, Security and Trust (PST 2021), Auckland, New Zealand, December 13-15, 2021.
<https://doi.org/10.1109/PST52912.2021.9647767>
10. Kirk Boyer, Hao Chen, Jingwei Chen, Jian Qui and Rinku Dewri, **"A Characterization of the Mass Surveillance Potential of Road Traffic Monitors"**, 14th International Conference on Information Systems Security (ICISS 2018), Bengaluru, India, December 16-20, 2018.
https://doi.org/10.1007/978-3-030-05171-6_1
11. Junya Michanan, Rinku Dewri and Matthew J. Rutherford, **"Predicting Data Structures for Energy Efficient Computing"**, 6th International Green and Sustainable Computing Conference (IGSC), Las Vegas, Nevada, December 14-16, 2015.
<http://dx.doi.org/10.1109/IGCC.2015.7393698>
12. Wisam Eltarjaman, Prasad Annadata, Rinku Dewri and Ramakrishna Thurimella, **"Leveraging Smartphone Advances for Continuous Location Privacy"**, 16th IEEE International Conference on Mobile Data Management (MDM), pp. 197-202, Pittsburgh, Pennsylvania, June 15-18, 2015.
<http://dx.doi.org/10.1109/MDM.2015.36>
13. Junya Michanan, Rinku Dewri and Matthew J. Rutherford, **"Understanding the Power-Performance Tradeoff through Pareto Analysis of Live Performance Data"**, 5th International Green Computing Conference (IGCC), pp. 1-8, Dallas, Texas, November 3-5, 2014.
<http://dx.doi.org/10.1109/IGCC.2014.7039164>
14. Rinku Dewri, Prasad Annadata, Wisam Eltarjaman and Ramakrishna Thurimella, **"Inferring Trip Destinations from Driving Habits Data"**, 12th ACM Workshop on Privacy in the Electronic Society (WPES), pp. 267-272, Berlin, Germany, November 4, 2013.
<http://dx.doi.org/10.1145/2517840.2517871>
15. Rinku Dewri, Wisam Eltarjaman, Prasad Annadata and Ramakrishna Thurimella, **"Beyond the Thin Client Model for Location Privacy"**, 2013 IEEE International Conference on Privacy and Security in Mobile Systems (PRISMS), pp. 1-8, Atlantic City, NJ, June 24-27, 2013.
<http://dx.doi.org/10.1109/PRISMS.2013.6927179>

16. Rinku Dewri, **"Location Privacy and Attacker Knowledge: Who Are We Fighting Against?"**, 7th International Conference on Security and Privacy in Communication Networks (SecureComm), pp. 96-115, London, UK, September 7-9, 2011.
http://dx.doi.org/10.1007/978-3-642-31909-9_6
17. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"On the Formation of Historically k-Anonymous Anonymity Sets in a Continuous LBS"**, 6th International Conference on Security and Privacy in Communication Networks (SecureComm), pp. 71-88, Singapore, September 7-9, 2010.
http://dx.doi.org/10.1007/978-3-642-16161-2_5
18. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"On the Identification of Property Based Generalizations in Microdata Anonymization"**, 24th IFIP WG 11.3 Working Conference on Data and Applications Security (DBSec), pp. 81-96, Rome, Italy, June 21-23, 2010.
http://dx.doi.org/10.1007/978-3-642-13739-6_6
19. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"Query m-Invariance: Preventing Query Disclosures in Continuous Location-Based Services"**, 11th International Conference on Mobile Data Management (MDM), pp. 95-104, Kansas City, Missouri, USA, May 23-26, 2010.
<http://dx.doi.org/10.1109/MDM.2010.52>
20. Rinku Dewri, Indrajit Ray, Indrakshi Ray and Darrell Whitley, **"POkA: Identifying Pareto-Optimal k-Anonymous Nodes in a Domain Hierarchy Lattice"**, 18th ACM Conference on Information and Knowledge Management (CIKM), pp. 1037-1046, Hong Kong, China, November 2-6, 2009.
<http://doi.acm.org/10.1145/1645953.1646085>
21. Rinku Dewri, Darrell Whitley, Indrajit Ray and Indrakshi Ray, **"A Multi-Objective Approach to Data Sharing with Privacy Constraints and Preference Based Objectives"**, Genetic and Evolutionary Computation Conference (GECCO), pp. 1499-1506, Montreal, Canada, July 8-12, 2009.
<http://doi.acm.org/10.1145/1569901.1570102>
22. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"On the Comparison of Microdata Disclosure Control Algorithms"**, 12th International Conference on Extending Database Technology (EDBT), pp. 240-251, St. Petersburg, Russia, March 23-26, 2009.
<http://doi.acm.org/10.1145/1516360.1516389>
23. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"Security Provisioning in Pervasive Environments Using Multi-objective Optimization"**, 13th European Symposium on Research in Computer Security (ESORICS), pp. 349-363, Malaga, Spain, October 6-8, 2008.
http://dx.doi.org/10.1007/978-3-540-88313-5_23
24. Rinku Dewri, Darrell Whitley, Indrajit Ray and Indrakshi Ray, **"Optimizing Real-Time Ordered-Data Broadcasts in Pervasive Environments Using Evolution Strategy"**, 10th International Conference on Parallel Problem Solving from Nature (PPSN), pp. 991-1000, Dortmund, Germany, September 13-17, 2008.
http://dx.doi.org/10.1007/978-3-540-87700-4_98
25. Indrajit Ray, Nayot Poolsappasit and Rinku Dewri, **"An Opinion Model for Evaluating Malicious Activities in Pervasive Computing Systems"**, 22nd Annual IFIP WG 11.3 Working Conference on Data and Applications Security (DBSec), pp. 297-312, London, UK, July 13-16, 2008.
http://dx.doi.org/10.1007/978-3-540-70567-3_23

26. Rinku Dewri, Darrell Whitley, Indrakshi Ray and Indrajit Ray, **"Evolution Strategy Based Optimization of On-Demand Dependent Data Broadcast Scheduling"**, Genetic and Evolutionary Computation Conference (GECCO), pp. 1699-1700, Atlanta, GA, USA, July 12-16, 2008.
<http://doi.acm.org/10.1145/1389095.1389416>
27. Rinku Dewri, Indrajit Ray, Indrakshi Ray and Darrell Whitley, **"On the Optimal Selection of k in the k-Anonymity Problem"**, 24th International Conference on Data Engineering (ICDE), pp. 1364-1366, Cancun, Mexico, April 7-12, 2008.
<http://doi.ieeecomputersociety.org/10.1109/ICDE.2008.4497557>
28. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"Optimizing On-Demand Data Broadcast Scheduling in Pervasive Environments"**, 11th International Conference on Extending Database Technology (EDBT), pp. 559-569, Nantes, France, March 25-30, 2008.
<http://doi.acm.org/10.1145/1353343.1353411>
29. Rinku Dewri, Nayot Poolsappasit, Indrajit Ray and Darrell Whitley, **"Optimal Security Hardening Using Multi-objective Optimization on Attack Tree Models of Networks"**, 14th ACM Conference on Computer and Communications Security (CCS), pp. 204-213, Alexandria, VA, USA, October 29-November 3, 2007.
<http://doi.acm.org/10.1145/1315245.1315272>
30. Lakshminarayanan Renganarayana, Manjukumar Harthikote-Matha, Rinku Dewri and Sanjay Rajopadhye, **"Towards Optimal Multi-level Tiling for Stencil Computations"**, 21st IEEE International Parallel and Distributed Processing Symposium (IPDPS), pp. 101, Long Beach, CA, USA, March 26-30, 2007.
<http://doi.ieeecomputersociety.org/10.1109/IPDPS.2007.370291>
31. J.Smith, L.D.Brice, A.A.Maciejewski, H.J.Siegel, T.Renner, V.Shestak, J.Ladd, A.Sutton, D.Janovy, S.Govindasamy, A.Alqudah, R.Dewri and P.Prakash, **"Measuring the Robustness of Resource Allocations in a Stochastic Dynamic Environment"**, 21st IEEE International Parallel and Distributed Processing Symposium (IPDPS), pp. 125, Long Beach, CA, USA, March 26-30, 2007.
<http://doi.ieeecomputersociety.org/10.1109/IPDPS.2007.370315>
32. Rinku Dewri and Darrell Whitley, **"Two Heuristic Operations to Improve the Diversity of Two-objective Pareto Solutions"**, Genetic and Evolutionary Computation Conference (GECCO-LBP), Seattle, WA, USA, July 8-12, 2006.
33. Kalyanmoy Deb, Kishalay Mitra, Rinku Dewri and Saptarshi Majumdar, **"Unveiling Optimal Operating Conditions for an Epoxy Polymerization Process Using Multi-objective Evolutionary Computation"**, Genetic and Evolutionary Computation Conference (GECCO), pp. 931-940, Seattle, WA, USA, June 26-30, 2004.
http://dx.doi.org/10.1007/978-3-540-24855-2_105
34. N. Chakraborti, P. Mishra, A. Banerjee and R. Dewri, **"Genetic Algorithms in Materials Processing: Few Select Case Studies"**, 5th International Conference on Evolutionary Methods for Design, Optimization and Control with Applications to Industrial and Societal Problems (EUROGEN), pp. 111-112, Barcelona, Spain, September 15-17, 2003.

Journal Articles

1. Andrick Adhikari, Sanchari Das and Rinku Dewri **"Natural Language Processing of Privacy Policies: A Survey"**, arXiv:2501.10319, January 2025.
<https://doi.org/10.48550/arXiv.2501.10319>

2. Tianje Deng, Andrew Urbaczewski, Young Jin Lee, Anamika Barman-Adhikari and Rinku Dewri **"Identifying Marijuana Use Behaviors Among Youth Experiencing Homelessness Using a Machine Learning-Based Framework: Development and Evaluation Study"**, *JMIR AI*, Vol. 3, pp. e53488, 2024.
<https://doi.org/10.2196/53488>
3. Srinidhi Madabhushi and Rinku Dewri **"A Survey of Anomaly Detection Methods for Power Grids"**, *International Journal of Information Security*, Vol. 22, pp. 1799-1832, 2023.
<https://doi.org/10.1007/s10207-023-00720-z>
4. Andrick Adhikari, Sanchari Das and Rinku Dewri **"Evolution of Composition, Readability, and Structure of Privacy Policies over Two Decades"**, *Privacy Enhancing Technologies, PETS 2023 (Lausanne, Switzerland)*, Issue 3, pp.138-153, 2023.
<https://doi.org/10.56553/popets-2023-0074>
5. Tianje Deng, Anamika Barman-Adhikari, Young-Jin Lee, Rinku Dewri and Kimberly Bender **"Substance Use and Sentiment and Topical Tendencies: A Study Using Social Media Conversations of Youth Experiencing Homelessness"**, *Information Technology & People*, Vol. 36 No. 6, pp. 2515-2542, 2023.
<https://doi.org/10.1108/ITP-12-2020-0860>
6. Shreya Patel and Rinku Dewri **"Private Record Linkage with Linkage Maps"**, *Security and Privacy*, Vol. 5 No.6, pp. e265, 2022.
<https://doi.org/10.1002/spy2.265>
7. Suryakanta Panda, Samrat Mondal, Rinku Dewri and and Ashok Kumar Das **"Towards Achieving Efficient Access Control of Medical Data With Both Forward and Backward Secrecy"**, *Computer Communications*, Vol. 189 No. 1, pp. 36-52, 2022.
<https://doi.org/10.1016/j.comcom.2022.03.001>
8. Wisam Eltarjaman, Rinku Dewri and Ramakrishna Thurimella **"Location Privacy for Rank-based Geo-Query Systems"**, *Proceedings on Privacy Enhancing Technologies*, Issue 4, pp. 19-38, 2017.
<https://doi.org/10.1515/popets-2017-0039>
9. Wisam Eltarjaman, Rinku Dewri and Ramakrishna Thurimella **"Private Retrieval of POI Details in Top-K Queries"**, *IEEE Transactions on Mobile Computing*, Vol. 16 No. 9, pp. 2611-2624, 2017.
<http://dx.doi.org/10.1109/TMC.2016.2625256>
10. Junya Michanan, Rinku Dewri and Matthew J. Rutherford **"GreenC5: An Adaptive, Energy-Aware Collection for Green Software Development"**, *Sustainable Computing: Informatics and Systems*, Vol. 13, pp. 42-60, 2017.
<https://doi.org/10.1016/j.suscom.2016.11.004>
11. William Mitchell, Rinku Dewri, Ramakrishna Thurimella and Max Roschke **"A Graph Traversal Attack on Bloom Filter Based Medical Data Aggregation"**, *International Journal of Big Data Intelligence*, Vol. 4 No. 4, pp. 217-226, 2017.
<https://doi.org/10.1504/IJBID.2017.086956>
12. Salah Boukhris, Anneliese Andrews, Rinku Dewri and Ahmed Alhaddad **"A Case Study of Black Box Fail-Safe Testing in Web Applications"**, *Journal of Systems and Software*, Vol. 131, pp. 146-167, 2017.
<http://dx.doi.org/10.1016/j.jss.2016.09.031>

13. Jake Bellati, Andrew Brunner, Joseph Lewis, Prasad Annadata, Wisam Eltarjaman, Rinku Dewri, and Ramakrishna Thurimella, **"Driving Habits Data: Location Privacy Implications and Solutions"**, *IEEE Security & Privacy*, Vol. 15 No. 1, pp. 12-20, 2017.
<https://doi.org/10.1109/MSP.2017.6>
14. Rinku Dewri, Toan Ong and Ramakrishna Thurimella, **"Linking Health Records for Federated Query Processing"**, *Proceedings on Privacy Enhancing Technologies*, Issue 3, pp. 4-23, 2016.
<http://dx.doi.org/10.1515/popets-2016-0013>
15. Rinku Dewri and Ramakrishna Thurimella, **"Mobile Local Search with Noisy Locations"**, *Pervasive and Mobile Computing*, Vol. 32, pp. 78-92, 2016.
<http://dx.doi.org/10.1016/j.pmcj.2016.04.014>
16. Rinku Dewri and Ramakrishna Thurimella, **"Exploiting Service Similarity for Privacy in Location Based Search Queries"**, *IEEE Transactions on Parallel and Distributed Systems*, Vol. 25, No. 2, pp. 374-383, 2014.
<http://dx.doi.org/10.1109/TPDS.2013.34>
17. Rinku Dewri and Ramakrishna Thurimella, **"Can a Phone's GPS Lie Intelligently?"**, *IEEE Computer*, Vol. 46, No. 2, pp. 91-93, 2013.
<http://doi.ieeecomputersociety.org/10.1109/MC.2013.44>
18. Rinku Dewri, **"Local Differential Perturbations: Location Privacy Under Approximate Knowledge Attackers"**, *IEEE Transactions on Mobile Computing*, Vol. 12 No. 12, pp. 2360-2372, 2013.
<http://dx.doi.org/10.1109/TMC.2012.208>
19. Rinku Dewri, Indrajit Ray, Nayot Poolsappasit and Darrell Whitley, **"Optimal Security Hardening on Attack Tree Models of Networks: A Cost-Benefit Analysis"**, *International Journal of Information Security*, Vol. 11, No. 3, pp. 167-188, 2012.
<http://dx.doi.org/10.1007/s10207-012-0160-y>
20. Rinku Dewri, Indrajit Ray, Indrakshi Ray and Darrell Whitley, **"Utility Driven Optimization of Real Time Data Broadcast Schedules"**, *Applied Soft Computing*, Vol. 12, No. 7, pp. 1832-1846, 2012.
<http://dx.doi.org/10.1016/j.asoc.2011.04.006>
21. Nayot Poolsappasit, Rinku Dewri and Indrajit Ray, **"Dynamic Security Risk Assessment and Mitigation Using Bayesian Attack Graphs"**, *IEEE Transactions on Dependable and Secure Computing*, Vol. 9, No. 1, pp. 61-74, 2012.
<http://doi.ieeecomputersociety.org/10.1109/TDSC.2011.34>
22. Rinku Dewri, Indrajit Ray, Indrakshi Ray and Darrell Whitley, **"Exploring Privacy versus Data Utility Tradeoffs in Anonymization Techniques using Multi-objective Optimization"**, *Journal of Computer Security*, Vol. 19, No. 5, pp. 935-974, 2011.
<http://dx.doi.org/10.3233/JCS-2011-0428>
23. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"k-Anonymization in the Presence of Publisher Preferences"**, *IEEE Transactions on Knowledge and Data Engineering*, Vol. 23, No. 11, pp. 1678-1690, 2011.
<http://dx.doi.org/10.1109/TKDE.2011.106>
24. Rinku Dewri, Indrakshi Ray, Indrajit Ray and Darrell Whitley, **"Real Time Stochastic Scheduling in Broadcast Systems with Multi-Layered Data Fetching"**, *Real-Time Systems*, Vol. 45, No.3, pp. 143-175, 2010.
<http://dx.doi.org/10.1007/s11241-010-9102-9>

25. Tushar D. Rane, Rinku Dewri, Sudipto Ghosh, Kishalay Mitra and Nirupam Chakraborti, **“Modeling the Recrystallization Process Using Inverse Cellular Automata and Genetic Algorithms: Studies using Differential Evolution”**, *Journal of Phase Equilibria and Diffusion*, Vol. 26, No.4, pp. 311-321, 2005.
<http://dx.doi.org/10.1007/s11669-005-0080-x>
26. Rinku Dewri and Nirupam Chakraborti, **“Simulating Recrystallization Through Cellular Automata and Genetic Algorithms”**, *Modeling and Simulation in Material Science and Engineering*, Vol. 13, pp. 173-183, 2005.
<http://dx.doi.org/10.1088/0965-0393/13/2/002>
27. Kalyanmoy Deb, Kishalay Mitra, Rinku Dewri and Saptarshi Majumdar, **“Towards a Better Understanding of the Epoxy Polymerization Process using Multi-Objective Evolutionary Computation”**, *Chemical Engineering Science*, Vol. 59, No. 20, pp. 4261-4277, 2004.
<http://dx.doi.org/10.1016/j.ces.2004.06.012>

Book Chapters

1. Rinku Dewri and Ramakrishna Thurimella, **“Privacy in Mobile Devices”**, *Privacy in a Digital, Networked World: Technologies, Implications and Solutions*, Ed. Sherali Zeadally and Mohamad Badra, Springer (ISBN 978-3-319-08470-1), 2015.
2. Rinku Dewri, Indrajit Ray, Indrakshi Ray and Darrell Whitley, **“Multi-Objective Evolutionary Optimization in Statistical Disclosure Control”**, *Advances in Artificial Intelligence for Privacy Protection and Security*, Ed. Augusti Solanas and Antoni Martinez-Ballesté, World Scientific (ISBN-13: 978-981-279-032-3), 2010.

PROFESSIONAL ACTIVITIES

Program Committee Member

- 8th International Conference on Mobile Web Information Systems, Ontario, Canada (MobiWIS 2011).
- 10th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Changsha, China (TrustCom 2011).
- 9th International Conference on Mobile Web Information Systems, Ontario, Canada (MobiWIS 2012).
- 11th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Liverpool, UK (TrustCom 2012).
- 5th International Workshop on Privacy and Anonymity in the Information Society, Berlin, Germany (PAIS 2012).
- 4th International Conference on Ambient Systems, Networks and Technologies, Nova Scotia, Canada (ANT 2013).
- 6th International Workshop on Privacy and Anonymity in the Information Society, Genoa, Italy (PAIS 2013).
- 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Melbourne, Australia (TrustCom 2013).
- 9th International Conference on Information Systems Security, Kolkata, India (ICISS 2013).
- 5th International Conference on Ambient Systems, Networks and Technologies, Hasselt, Belgium (ANT 2014).
- 7th International Workshop on Privacy and Anonymity in the Information Society, Athens, Greece (PAIS 2014).

- 14th Annual Digital Forensics and Research Symposium, Denver, USA (DFRWS 2014).
- 13th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Beijing, China (TrustCom 2014).
- 9th International Conference on Risks and Security of Internet and Systems, Trento, Italy (CRiSIS 2014).
- 8th International Workshop on Privacy and Anonymity in the Information Society, Brussels, Belgium (PAIS 2015).
- 2015 Workshop on Web 2.0 Security and Privacy, Fairmont, San Jose, USA (W2SP 2015).
- 10th International Conference on Risks and Security of Internet and Systems, Mytilene, Greece (CRiSIS 2015).
- 15th Annual Digital Forensics and Research Symposium, Philadelphia, USA (DFRWS 2015).
- 24th International Conference on Computer Communication and Networks, Las Vegas, USA (ICCCN 2015).
- 14th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Helsinki, Finland (TrustCom 2015).
- 9th International Workshop on Privacy and Anonymity in the Information Society, Bordeaux, France (PAIS 2016).
- 16th Annual Digital Forensics and Research Symposium, Seattle, Washington, USA (DFRWS 2016).
- 15th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Tianjin, China (TrustCom 2016).
- 4th International Conference on Future Internet of Things and Cloud, Vienna, Austria (FiCloud 2016).
- 12th International Conference on Information Systems Security, Jaipur, India (ICISS 2016).
- 23rd ACM Conference on Computer and Communications Security, Vienna, Austria (CCS 2016).
- 17th Privacy Enhancing Technologies Symposium, Minneapolis, Minnesota, USA (PETS 2017).
- 2017 Annual Digital Forensics Research Workshop and Symposium, Austin, TX, USA (DFRWS 2017).
- 16th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Sydney, Australia (TrustCom 2017).
- 10th International Workshop on Privacy and Anonymity in the Information Society, New Orleans, USA (PAIS 2017).
- 2018 Annual Digital Forensics Research Workshop and Symposium, Providence, RI, USA (DFRWS 2018).
- 14th International Conference on Information Systems Security, Bengaluru, India (ICISS 2018).
- 18th Privacy Enhancing Technologies Symposium, Barcelona, Spain (PETS 2018).
- 2019 Annual Digital Forensics Research Workshop and Symposium, Portland, OR, USA (DFRWS 2019).
- 19th Privacy Enhancing Technologies Symposium, Stockholm, Sweden (PETS 2019).
- 18th IEEE International Conference on Trust, Security and Privacy in Computing and Communications, Rotorua, New Zealand (TrustCom 2019).
- 17th International Conference on Privacy, Security and Trust, Fredericton, Canada (PST 2019).
- 16th International Conference on Information Systems Security, Bengaluru, India (ICISS 2020).
- 2021 Annual Digital Forensics Research Workshop and Symposium (DFRWS 2021).
- 17th International Conference on Information Systems Security, Patna, India (ICISS 2021).
- 22nd Privacy Enhancing Technologies Symposium, Sydney, Australia (PETS 2022).
- 2022 Annual Digital Forensics Research Workshop and Symposium (DFRWS 2022).

- 19th International Conference on Privacy, Security and Trust, Fredericton, Canada (PST 2022).
- 18th International Conference on Information Systems Security, Tirupati, India (ICISS 2022).
- 2023 Annual Digital Forensics Research Workshop and Symposium (DFRWS 2023).
- 19th International Conference on Information Systems Security, Tirupati, India (ICISS 2023).
- 2024 Annual Digital Forensics Research Workshop and Symposium (DFRWS 2024).
- 20th International Conference on Information Systems Security, Tirupati, India (ICISS 2024).
- 2025 Annual Digital Forensics Research Workshop and Symposium (DFRWS 2025).

Ad-hoc Reviewer

- **2009 – 10:** Data & Knowledge Engineering, IEEE Transactions on Knowledge and Data Engineering, VLDB Journal, Wireless Networks; ARES 2009, PAIS 2010.
- **2010 – 11:** Information Systems, International Journal of Information Security, Transactions on Data Privacy; WPES 2011.
- **2011 – 12:** IEEE Transactions on Neural Networks, International Journal of Computers and Applications, International Journal of Security and Networks, Journal of Software Practice and Experience; ACM GIS 2012, ESORICS 2012.
- **2012 – 13:** IEEE Computer, IEEE Transactions on Dependable and Secure Computing, IEEE Transactions on Mobile Computing, Software Quality Journal, International Journal of Ad Hoc and Ubiquitous Computing, Journal of Computer Security, Information Security Journal, Security and Communication Networks.
- **2013 – 14:** Computer Standards and Interfaces, IEEE Transactions on Dependable and Secure Computing, Journal of Biomedical Informatics, Transactions on Data Privacy.
- **2014 – 15:** IEEE Internet Computing, IEEE Transactions on Information Forensics and Security, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Mobile Computing, Security and Communication Networks.
- **2015 – 16:** IEEE Transactions on Dependable and Secure Computing, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Mobile Computing, IEEE Transactions on Systems, Man, and Cybernetics, Security and Communication Networks.
- **2016 – 17:** ACM Computing Surveys, ACM Transactions on Privacy and Security, IEEE Transactions on Information Forensics and Security, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Mobile Computing, International Journal of Information Security.
- **2017 – 18:** ACM Transactions on Intelligent Systems and Technology, Computers and Security, Journal of Computer Security, IEEE Transactions on Services Computing, IEEE Transactions on Web.
- **2018 – 19:** IEEE Transactions on Information Forensics and Security, IEEE Transactions on Knowledge and Data Engineering.
- **2019 – 20:** ACM Transaction of the Web, IEEE Transactions on Knowledge and Data Engineering
- **2020 – 21:** ACM Transactions on Evolutionary Learning and Optimization, Computer Standards and Interface, IEEE Transactions on Dependable and Secure Computing, IEEE Transactions on Reliability, IEEE Transactions on Services Computing
- **2021-22:** Computer Standards and Interface, IEEE Security & Privacy, Nature Scientific Report
- **2022-:** IEEE Security & Privacy

Miscellaneous

- Organizer, 2011 CRISP Workshop on Information Security and Privacy, University of Denver.
- Organizer, 2012 CRISP Workshop on Information Security and Privacy, University of Denver.
- Organizer, 2013 CRISP Workshop on Information Security and Privacy, University of Denver.
- Local Chair, 14th Annual Digital Forensics and Research Symposium (DFRWS), Denver, 2014.
- Tutorial Co-Chair, 22nd Conference on Computer and Communications Security (CCS), Denver, 2015.
- Program Vice Chair (Privacy Track), 9th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage (SpaCCS), Zhangjiajie, China, 2016.
- 2019 Continuing Education Program Workshop on Computer Forensics, Indian Institute of Technology, Patna.
- Program Co-Chair, 4th IEEE International Conference on Trust, Privacy and Security in Intelligent Systems, and Applications, Las Vegas, USA, 2022.
- Invited Participant, Dagstuhl Seminar 25021: Grand Challenges for Research on Privacy Documents, Germany, 2025.