

# Nidhi Rastogi

Assistant Professor, Rochester Institute of Technology, NY

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## RESEARCH INTERESTS

Threat Intelligence; Explainable AI; Data Science; Trust; Graphs; National Security.

## APPOINTMENTS

**Rochester Institute of Technology.** Rochester, NY.  
Assistant Professor, Dept. of Software Engineering  
Affiliate Faculty, ESL Global Cybersecurity Institute  
Affiliate Faculty, Department of Public Policy  
AI Fellow, Aspen Institute

Aug'21-Present  
Aug'21-Present  
Aug'23-Present  
Jul'23

**Udacity.** Mountain View, CA.  
Cloud Security Course Lead & Instructor

Jul'18-Dec'18

**Rensselaer Polytechnic Institute.** Troy, NY.  
Research Scientist, Institute for Data Exploration and Applications (IDEA)  
Postdoctoral Associate, Institute for Data Exploration and Applications (IDEA)

Aug'19-Aug'21  
Dec'18-Jul'19

**Internships.** US & Europe.  
GE Global Research, Cybersecurity Researcher. Niskayuna, NY  
IBM Research, Graduate Researcher. Zurich, Switzerland  
BBN Raytheon, Research Intern. Cambridge, MA  
Yahoo!, Wireless Networking Intern. Sunnyvale, CA

May'16-Aug'16  
Jun'15-Aug'15  
May'14-Aug'14  
May'07-Sep'07

**GE Global Research & Energy.** Niskayuna, NY.  
Researcher, Advanced Communication Systems Lab

April'10-Dec'12

**Verizon Wireless.** Basking Ridge, NJ.  
Member of Technical Staff, Device and Network Team

Jan'09-Apr'10

## EDUCATION

**Rensselaer Polytechnic Institute.** Troy, NY.  
**Ph.D. in Computer Science**  
**Advisor:** Dr. James A. Hendler, **Thesis:** A network intrusion detection system (NIDS) based on information centrality to identify systemic cyber attacks in large systems

Jan'13-Mar'18

**University of Cincinnati.** Cincinnati, OH.  
**M.S. in Computer Science**  
**Advisor:** Dr. Qing-An Zeng, **Thesis:** A Novel Security Scheme during Vertical Handoff in Integrated Heterogeneous Wireless Networks.

Sep'06-Dec'08

## SELECTED AWARDS

Best Poster & Presentation Award, <b>Annual Computer Security Applications Conference</b>	Dec'23
Aspen Institute- Tech Policy Hub, <b>AI Fellow</b>	Jul'23
<b>Best Paper Award</b> , UPSTAT Conference	Apr'23
International Women in Cybersecurity by the Cyber Risk Research Institute, USA	Jul'20
<b>Best Graduate Student Runner-Up, RPI</b>	Mar'18
<b>FADEx Laureate</b> , 1st French-American Program on Cyber-Physical Systems	Jul'16
3rd place out of 25 teams, Datathon at IDEA Instt., RPI	Apr'16
<b>IBM Graduate Research Fellow</b> , IBM Zurich	June'15
Microsoft awarded ACM's SRC Travel Award for Grace Hopper	Oct'14
Anita Borg Institute Scholarship for Grace Hopper	Oct'14
1st Place, Network Security CTF Competition, University of Cincinnati	Jun'07
3rd Place, Network Security CTF Competition, University of Cincinnati	Dec'06
<b>Graduate Student Scholarship</b> (100% tuition waiver given to top 5% program applicants)	Sep'06
Second place- Annual Debate Competition, University of Delhi	June'01
1st Place, Freshman of the College, University of Delhi	June'00
National Mathematics Olympiad, India	1996

## GRANTS

Received. Total Value as PI, Co-PI, or Collaborator: \$882,000

- **NSF SaTC TTP Small (2040209)- \$395,764, DeFake: Deploying a Tool for Robust Deepfake Detection**, Matthew Wright (PI), Yu Kong & Nidhi Rastogi (Senior Personnel). 10/21-09/24. My share: \$9,990.
- **RIT ESL Global Cybersecurity Institute GROWING Award- \$25,000**, Nidhi Rastogi (PI).
- **Argonne National Lab- \$66,000 (No F&A)**, A Digital Cybersecurity Advisor for the Power Industry Built on Open Source Large Language Foundation Models, Nidhi Rastogi (PI), 10/23-09/24.
- **Toyota Infotech- \$210,000 (No F&A)**, "Unstable Explanations: A Challenge for Model Interpretation," Nidhi Rastogi (PI), 01/21-12/23.
- **INSuRE+C (Information Security Research and Education - Collaborative with NSA.) \$66,000 (No F&A)**, Emergent (In)Security of Multi-Cloud Environments, NSA TD: Josiah Dykstra," Nidhi Rastogi (PI), Sudip Mittal (Co-PI), Summer 2023 funding to support 3 Students and Faculty.
- **RIT Grant Writers Boot Camp Award- \$5,000**, "Extracting threat intelligence signals from the Dark Web," Nidhi Rastogi (PI), 07/22-06/23.
- **IBM AI Research Collaboration- \$200,000**, "Trust using Deep Learning in Cybersecurity," Nidhi Rastogi (PI), Mohammad Zaki & Alex Gittens (Senior Collaborator) 01/21-12/21.
- **IBM AI Research Collaboration- \$150,000**, "Gathering Threat Intelligence for Trust in Cybersecurity," Nidhi Rastogi (PI), Mohammad Zaki & Alex Gittens (Senior Collaborator) 01/20-12/20.
- **IBM-RPI AIHN- \$20 Million**, "Health Empowerment by Analytics, Learning, and Semantics (HEALS)," Nidhi Rastogi (Senior Collaborator) 01/17-12/22. My share (\$150,000).

### Under Submission.

- **Toyota Infotech- \$70,000**, "Generalizing Explanation Frameworks," Nidhi Rastogi (PI), 01/24-12/24.
- **Cisco Research- \$200,000**, "Concept-based Explanations for Patch-based Attacks on Autonomous Platforms," Nidhi Rastogi (PI) & Sara Rampazzi (Co-PI) 01/24-12/24. Equal Share.
- **SaTC: CORE: Small- \$600,000**, "Dynamic and Open Knowledge Networks for Malware Threat Intelligence," Nidhi Rastogi (PI), Mohammed J. Zaki (Co-PI), 07/24-06/27. My share: \$365,000
- **SaTC: EDU: Project Nimbus - \$400,000**, "Navigating AI Security and Data Governance in a Multi-Cloud Environment," Nidhi Rastogi (PI), Sudip Mittal (Co-PI), 06/24-06/27. My share: \$210,000.

- **NSF SaTC CRII- \$170,000**, “CRII: SaTC: Redefining Cyber Threat Intelligence through Advanced Language Models,” Nidhi Rastogi (PI), 04/24-03/26.
- **NSF CPS Core- \$598,675**, “Reliable, Robust, Resilient Unmanned Aerial Vehicles,” Sai Manoj Padukotai Dinakarrao (PI), Nidhi Rastogi (Co-PI), 07/24-06/27. My share: \$215,020.

## TEACHING OPPORTUNITIES

- Planned Course (Curriculum Approved): Explainable AI, RIT Instructor, *Fall'24*.
- DSCI 633: Foundations of Data Science, Senior UG & G Level, RIT Instructor, *Fall'23*.
- DSCI 602: Applied Data Science II, RIT Instructor, *Fall'23*.
- DSCI 601: Applied Data Science I, RIT Instructor, *Spring'23*.
- DSCI 633: Foundations of Data Science, Senior UG & G Level, RIT Instructor, *Fall'22*.
- DSCI 601: Applied Data Science I, RIT Instructor, *Spring'22*.
- DSCI 633: Foundations of Data Science, Senior UG & G Level, RIT Instructor, *Fall'21*.
- Introduction to Cloud Security, Udacity Instructor, Online Offering, *Fall'18*.
- CSCI 4210: Operating Systems and UNIX, UG & G Level, RPI Teaching Assistant, *Fall'17*
- CSCI 4260: Graph Theory and Analytics, UG & G Level, RPI Teaching Assistant, *Fall'15*
- CSCI 4210: Operating Systems and UNIX, UG & G Level, RPI Teaching Assistant, *Spring'14*
- CSCI 4210: Operating Systems and UNIX, UG & G Level, RPI Teaching Assistant, *Fall'13*

## INTERNAL SERVICE

Department Faculty Performance Review Committee, RIT	Dec'23-Apr'24
Department Chair Search Committee, RIT	Sept'23-Present
Ph.D. Search Committee, GCCIS, RIT	Sept'22-Present
ESL Global Cybersecurity Institute Proposal Review Committee, RIT	Jan'22-Present
ESL Global Cybersecurity Institute Red Team Review Committee, RIT	Jan'22-Present
TT Faculty Search Committee, GCCIS, RIT	Dec'22-April'23
WiCyS Club Advisor, GCCIS, RIT	Sept'22-Present
TT Faculty Search Committee, GCCIS, RIT	Jan'22-April'22
ESL Global Cybersecurity Institute Fellow Search Committee, GCCIS, RIT	Sept'21-02/22
Data Science Program, M.S. Curriculum Committee, GCCIS, RIT	Sept'21-Present
Data Science Club Advisor, GCCIS, RIT	Sept'21-Present

## EXTERNAL PROFESSIONAL ACTIVITIES

### Technical Program Committee/Reviewer

- Symposium on Vehicle Security at NDSS 2024
- Algorithmic Fairness through the Lens of Time - Workshop at NeurIPS 2024
- Computer & Security Journal 2024.
- IEEE Transactions on Information Forensics and Security, 2019-Present
- IEEE Euro Security & Privacy'22
- ACM Conference on Human Factors in Computing Systems (CHI)'22
- AAAI Workshops'21
- AAAI'20- Special Track: AI for Social Good Symposium
- Journal of Information Security and Applications (2020-)
- Book Chapter Reviewer for Springer'20,

- ACSAC Workshop DYNAMICS'19, '20,
- Knowledge Graph Conference - Personal Health Knowledge Graphs'20.
- IEEE Computer'18
- ACM XRDS Articles'15-'18,
- IEEE Security & Privacy Student PC'16

### Advisor & Judge

- Competition Judge, Society for Canadian Women in Science & Technology (SCWiST) Science Symposium'21.
- Adaptable Security Corp'19 (pro-bono)

### Conference/Workshop Organization

- VehicleSec Symposium at NDSS'24, Organizing Committee.
- NDSS'24, Travel Grant Committee.
- WOSOC workshop at NDSS'24, Steering Committee, Publicity Chair.
- ACSAC DYNAMICS Workshop co-Chair '20,'21.

### Board Member

- Lexington Education Foundation, MA, '19,'21
- N2Women'18-20. Society for Women Researchers in Communications & Networking (IEEE, ACM)

### Other Services

- NSF-MeiTY Workshop, Cybersecurity Breakout Session Co-Lead,'23
- NSF Review Panel (4 times), 2023
- NSF Review Panel (2 times), 2022
- Canada Foundation for Innovation, 2021

## POLICY INFLUENCE

- **Aspen Tech Policy Hub Fellow:** Recognized for tech policy expertise. Collaborated with global stakeholders to guide decisions in AI governance.
- **Green Lining Institute Collaboration:** Partnered with Vinhcent Le to uncover challenges in California's policies regarding AI technology integration.
- **Aspen Cyber Summit, NY:** Selected as a distinguished participant.
- **Public AI Policy Advocate:** Drafted policy memos for NY and CA officials on AI governance, gun violence, and the societal effects of extreme content on youth social media engagement. Consulted by the CDC Data Modernization Initiative to reduce bias in data collection, promoting fair and equitable AI systems.

## ADVISING

### Ph.D./MS Thesis Students

#### Primary Advisor

- Md. Tanvirul Alam, Ph.D. Researcher on Cyberthreat Intelligence, RIT, 2021-Present
- Dipkamal Bhusal, Ph.D. Researcher on Explainable AI Framework, RIT, 2021-Present
- Le Nguyen, Ph.D. Researcher on Threat Intelligence for National Security, RIT, 2022-Present.
- Romy Fieblinger (06/23-Present), M.S. Thesis, University of Applied Sciences, Mittweida, Germany.
- Morgan Reece, Co-advisor: Sudip Mittal, MSSTATE, Ph.D. Researcher (Multi-cloud Security), 2022 - Present.
- Ajay Ashok Shewale, Graduated with MS Thesis. Now at Amazon Web Services.

## **M.S. Students**

- Ashim Mahara, 08/23-Present.
- Monish Kumar Manikya Veerabhadran, 01/23- Present.
- Bharadwaj Sharma Kasturi, 08/23- Present.
- Omkar Chavan, 12/22- 06/23.
- Megha Gupta, 01/22- 08/22.
- Praveen Chandrashekar, 08/22- 12/22, now at BMW.
- Rigved Rakshit, 01/22- 08/22, now at Schlumberger (SLB).

## **Ph.D. Committee Member**

- Ali Khalid- Advisor: Fawad Ahmad (RIT, 2023-Present).
- Narayanan Asuri Krishnan- Advisor: Qi Yu (RIT, 2023-Present).
- Hrushikesh Mukherjee- Advisor: Sara Rampazzi (University of Florida 08/22- Present).

## **Undergraduate Researchers**

- **All at RPI (2019-2021):** Ruisi Jian, Megan Goulet, Chuqiao Gu, Qicheng Ma, Destin Yee, Sean Hale, Jared Gridley, Aaron Hill, Lydia Zhou, Ryan Christian, Thomas Hopkins

## **Highschool Students**

- Ayushi Mehrotra, Troy High School, Fullerton, CA (also CyberVSR Scholar, RIT). Jun'23-Present.
- Krishna Narayanasamy, Archbishop Mitty High School, San Jose, CA. Jun'23-Aug'23.

## **INVITED TALKS**

- "Applying Cyber Threat Intelligence to Understand and Combat Gun Violence in the United States," at New York State Division of Criminal Justice Services Public Safety Symposium, Albany, NY, 09/23.
- "Scientifically Approaching Threat Intelligence," at Mississippi State University, Virtual, 07/22.
- "New York University, Center for Cyber Security - Diversity, Equity, and Inclusion Panel," Virtual, 06/22
- "Context-driven Security: The need for a critical shift in attack detection," USENIX Enigma, Santa Clara, CA, 02/22.
- "Connected and Autonomous Vehicles," at the Workshop on Cyber Experimentation and the Science of Security, Virtual, 11/21.
- "AI-bias in personal healthcare devices," panel discussion at Aspen Institute, Virtual, 03/21.
- "Large Scale Cyberattack Detection and User Data Privacy in chat apps," Malviya Nagar Institute of Technology, Jaipur India, 12/19.
- "AI in Cybersecurity", at the Aspen Cyber Summit, Virtual, 10/19.
- "Cyberattack detection and Privacy of user data in large networks," Oracle Labs, Boston, MA, 09/19.
- "Towards Securer Networked Systems," Raytheon BBN, Boston MA, 05/14.

## **SELECTED PRESS**

- India Proposes Chinese-Style Internet Censorship, (02/19). Publisher: New York Times, India.  
Link: <https://www.nytimes.com/2019/02/14/technology/india-internet-censorship.html>
- Is WhatsApp Really Unsafe And Is Signal Better Than WhatsApp?, (01/20). Publisher: Huffpost.  
Link: <https://www.piyasree-dasgupta.com/whatsapp-signal/4w74ukenvlo3e4tc2c1we4ppd34xh8>
- Contextual Security Should Supplement Machine Learning for Malware Detection, (02/22). Publisher: Information Security Magazine. Link: <https://www.infosecurity-magazine.com/news/contextual-security-machine/>

## OPEN SOURCE CODE & DATA RELEASED

- [LADDER] A dataset containing Indicators of Compromise and Tactics, Techniques, and Procedures from 250+ Cyberthreat Intelligence Reports on Android Malware attacks.  
[https://github.com/aiforsec/LADDER/tree/main/attack\\_pattern](https://github.com/aiforsec/LADDER/tree/main/attack_pattern)
- [XAI Analysis for Security] Modeling Explainability in Security Analytics for Interpretability, Trustworthiness, and Usability. <https://github.com/dipkamal/aresubmission>
- [CyNER] Python library for extracting Cybersecurity named entities. <https://github.com/aiforsec/CyNER>
- [TINKER] Knowledge Graph Triples with 52K triples comprising 30k unique named entities and 22 relationships extracted from Cyberthreat Intelligence Reports on Malware.  
<https://github.com/malkg-researcher/MalkG>
- [MaLONT-Ontology] open-source malware ontology, MALOnt allows the structured extraction of information and knowledge graph generation, especially for threat intelligence. <https://github.com/aiforsec/MALOnt>

## PEER REVIEWED PUBLICATIONS

(Updated List in Google Scholar)

1. Reece, M., Lander Jr, T., Mittal, S., **Rastogi, N.**, Dykstra, J. and Sampson, A., 2024. Emergent Insecurities of Multi-Cloud Environments. *Poster Under Review: Annual Computer Security Applications Conference, 2023.*
2. Reece, M., Lander Jr, T.E., Stoffolano, M., Sampson, A., Dykstra, J., Mittal, S. and **Rastogi, N.**, "Systemic Risk and Vulnerability Analysis of Multi-cloud Environments," *Under Review, 2024.*
3. Bhusal, D., Alam, T., Veerabhadran, M.M.K., Clifford, M., Rampazzi, S. and **Rastogi, N.**, "Stable Explanations of Neural Networks using Feature Map Smoothing," *Under Review, 2024.*
4. Bhusal, D., Alam, T., Veerabhadran, M.M.K., Clifford, M., Rampazzi, S. and **Rastogi, N.**, "PASA: Attack Agnostic Unsupervised Adversarial Detection using Prediction & Attribution Sensitivity Analysis," *Under Review, 2024.*
5. Alam, M.T., Fieblinger, R., and **Rastogi, N.** "MORPH: Concept Drift Adaptation for Malware Detection," *Under Review, 2024.*
6. **Rastogi, N.**, Alam, M.T., Fieblinger, R., Mahara, A., Kasturi, B.S., and Park, Y. "SoK: Towards Actionable and Scaleable Cyber Threat Intelligence in the Age of GenAI." *Under Review, 2024.*
7. Invited Paper: **Rastogi, N.**, 2023. Risk Assessment by analyzing Gun Violence Susceptibility with Personal Knowledge Graphs. *IEEE Data Engineering Bulletin, Accepted, to be Published in Dec'23.*
8. Chakraborty, T., Bhupathiraju, S.H., Bhusal, D., Clifford, M., Rampazzi, S., **Rastogi, N.** and Chen, Q.A., 2023. POSTER: Towards A Quantitative Risk Assessment of Physical Adversarial Attacks in the AV Perception Domain. *ACM Conference on Computer and Communications Security (CCS) 2023.*
9. Alam, M. T., Bhusal, D., Park, Y., & **Rastogi, N.** (2023). Looking Beyond IoCs: Automatically Extracting Attack Patterns from External CTI. *Proceeding at the 26th International Symposium on Research in Attacks, Intrusions, and Defenses (RAID 2023), Hong Kong, China, Oct'23.*
10. Nguyen, L. and **Rastogi, N.**, 2023, April. Graph-based Approach for Studying Spread of Radical Online Sentiment. *In Companion Proceedings of the ACM Web Conference 2023.*
11. Bhusal, D., Shin, R., Shewale, A. A., Veerabhadran, M. M. K., Clifford, M., Rampazzi, S., & **Rastogi, N.**, "SoK: Modeling Explainability in Security Monitoring for Trust, Privacy, and Interpretability." *Proceedings of the 18th International Conference on Availability, Reliability and Security, Italy, 2023.*
12. **Rastogi, N.** and Alam, M.T., 2023. Cyber Threat Intelligence for SOC Analysts. *In: NDSS Workshop on SOC Operations and Construction (WOSOC) 2023.*
13. Alam, M. T., Bhusal, D., & **Rastogi, N.** (2023). CyNER: A Python library for cybersecurity-named entities. *arXiv preprint arXiv:2204.05754.*

14. Bhusal, D., & **Rastogi, N.** (2023). Building robust and resilient android malware classifiers: A survey on Adversarial attacks and defenses. Under Review, Pattern Recognition.
15. Gloria, K., **Rastogi, N.**, & DeGross, S. (2023). Bias impact analysis of ai in consumer mobile health technologies: Legal, technical, and policy. <http://arxiv.org/abs/2209.05440>.
16. **Rastogi, N.**, Dutta, S., Zaki, M., Gittens, A., & Aggarwal, C. (2022). TINKER: A framework for Open source Cyberthreat Intelligence. Proceedings of the 2022 IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom'22), China, 2022.
17. **Rastogi, N.**, Rampazzi, S., Clifford, M., Heller, M., Bishop, M., & Levitt, K. (2022). Explaining RADAR features for detecting spoofing attacks in Connected Autonomous Vehicles. AAAI'22 Explainable Agency in Artificial Intelligence, Virtual, 2022.
18. Chen, C.-H., Gruen, D., Harris, J., Hendler, J., McGuinness, D. L., Monti, M., **Rastogi, N.**, Seneviratne, O., & Zaki, M. J. (2022). Semantic technologies for clinically relevant personal health applications, New York, New York, 2022.
19. **Rastogi, N.** (2022). Contextual security: The need for a new paradigm in threat assessment, Santa Clara, CA, USENIX ENIGMA'22.
20. **Rastogi, N.**, & Hendler, J. A. (2022). Detecting systemic cyberattacks using Information Centrality in Smart grid network. Under Review TIFS'22.
21. **Rastogi, N.**, Rampazzi, S., Clifford, M., Heller, M., Bishop, M., & Levitt, K. (2022). Explaining radar Features for detecting spoofing attacks in autonomous vehicles. Under Review, AAAI'22 Workshop on Explainable Agency in Artificial Intelligence (EAAI'22).
22. Christian, R., Dutta, S., Park, Y., & **Rastogi, N.** (2021). Ontology-driven knowledge graph for Android malware detection. ACM CCS'21 Conference.
23. Yee, D., Dutta, S., **Rastogi, N.**, Gu, C., & Ma, Q. (2021). TINKER: Knowledge graph for threat intelligence. ACL-IJCLNP'21 Accepted.
24. **Rastogi, N.**, Dutta, S., Zaki, M. J., Gittens, A., & Aggarwal, C. (2020). MALOnt: An ontology for malware threat intelligence. SIGKDD'20 Workshop - International Workshop on Deployable Machine Learning for Security Defense, 28–44.
25. **Rastogi, N.**, & Ma, Q. (2020). DANTE: Predicting insider threat using Istm on system logs. The 19th IEEE International Conference on Trust, Security, and Privacy in Computing and Communications, China, IEEE TrustCom 2020.
26. **Rastogi, N.**, Seneviratne, O., Chen, Y. et al. (2020). Applying learning and semantics for personalized food recommendations. The 19th International Semantic Web Conference (ISWC 2020).
27. **Rastogi, N.**, & Zaki, M. J. (2020). Personal health knowledge graphs for patients. Workshop–Personal Health Knowledge Graphs (PHKG2020).
28. Haussmann, S., Chen, Y., Seneviratne, O., **Rastogi, N.**, Codella, J., Chen, C.-H., McGuinness, D. L., & Zaki, M. J. (2019). Foodkg enabled q&a application. ISWC Satellites, 273–276.
29. **Rastogi, N.** (2018a). Exploring information centrality for intrusion detection in large networks. 19th Annual Security Conference - Cybersecurity Workforce Development Challenges.
30. **Rastogi, N.** (2018b). A network intrusion detection system (NIDS) based on information centrality to identify systemic cyber attacks in large systems (Doctoral dissertation). Rensselaer Polytechnic Institute.
31. DiFranzo, D., Gloria, M. J. K., & **Rastogi, N.** (2017). Filter bubbles and fake news.
32. Divekar, R. R., & **Rastogi, N.** (2017a). Managing crises, one text at a time.
33. Divekar, R. R., & **Rastogi, N.** (2017b). Tech for crises.
34. **Rastogi, N.** (2017). Online censorship, cyberattacks, and access to information.
35. **Rastogi, N.**, & Divekar, R. R. (2017). Serving people in crisis to make the world a better place.
36. **Rastogi, N.**, & Hendler, J. (2017). WhatsApp security and role of metadata in preserving privacy. 12th International Conference on Cyber Warfare and Security, 6817, 269–275.

37. **Rastogi, N.**, & Hendler, J. (2016). Graph analytics for anomaly detection in homogeneous wireless networks-a simulation approach. arXiv preprint arXiv:1701.06823.
38. **Rastogi, N.**, & Scoică, A. (2016). The art and design of autonomous machines.
39. **Rastogi, N.**, Gloria, M. J. K., & Hendler, J. (2015). Security and privacy of performing data analytics in the cloud: A three-way handshake of technology, policy, and management. *Journal of Information Policy*, 5, 129-154.
40. **Rastogi, N.**, Zeng, Q.-A., & Li, X. (2011). Secure scheme during vertical handoff in integrated heterogeneous wireless systems. 2011 Wireless Telecommunications Symposium (WTS), 1-5.