

Sriram Chellappan

CONTACT INFORMATION	Department of Computer Science and Engineering University of South Florida 4202 E. Fowler Ave., ENB 317, Tampa, FL 33620.	<i>Voice:</i> 813-974-1379. <i>Fax:</i> 813-974-5456. <i>E-mail:</i> sriramc@usf.edu.
RESEARCH INTERESTS	Primary: Socio-Technical Systems for Smart Health, Cyber Safety, Security and Privacy Secondary: AI, Mobile Computing and Human-Computer Interaction	
PROFESSIONAL EXPERIENCE	Professor (Aug 2020 — Present) Associate Professor (Aug 2015 — July 2020) Department of Computer Science and Engineering, University of South Florida. Associate Professor (Sep 2014 — July 2015) Assistant Professor (Jan 2008 — Aug 2014) Department of Computer Science, Missouri University of Science and Technology.	
EDUCATION	The Ohio-State University , Columbus, OH, U.S.A. Ph.D. in Computer Science and Engineering, Dec 2007. M.S. in Electrical Engineering, Dec 2002. University of Madras , Chennai, India B.E. in Instrumentation and Controls Systems Engineering, Aug 1999.	
AWARDS	National Science Foundation CAREER Award (2013) ACM CSCW Best Paper Honorable Mention Award (2020).	
GRANT ACTIVITY SUMMARY	Total Amount Awarded: \$8,025,409 ; Shared Credit: \$4,030,766 .	
GRANTS AWARDED	Co-PI (37%) - “SCH: INT: Surveillance and Control of Mosquito-Borne Diseases through Automated Species Identification and Spatiotemporal Modeling” - National Science Foundation - \$900,000 (Oct 2020 - Sep 2024). PI (100%) - “Defensewerx/ Jobwerx Internship Program” - Defensewerx - \$217,392 (Aug 2020 - Aug 2021). In addition, match funds were awarded from Florida High Tech Corridor (\$150,000) to support project. Co-PI (20%) - “Secure Mobile Contact Tracing App” - Univ. of South Florida COVID-19 Rapid Response Fund - \$25000 (May 2020 - Aug 2020). Co-PI (15%) - “A Practical and Real-time Crowd Management System through Simulating, Monitoring and Guiding Pedestrians” - Research and Developmental Office, Ministry of Education, Kingdom of Saudi Arabia - \$1,400,000 (Oct 2019 - Oct 2022). PI (100%) - “Defensewerx/ Sofwerx/ Jobwerx Internship Program” - Defensewerx - \$193,130 (Aug 2019 - Aug 2020). In addition, match funds were awarded from Florida High Tech Corridor (\$150,000) to support project. Co-PI (15%) - “Trial of Technology-Assisted Lifelong Cardiac Rehabilitation for Women (TOTAL CARE)” - Univ. of South Florida Strategic Investment Pool (SIP) - \$98,530 (Apr 2019 - Mar 2020). Co-PI (20%) - “PFI-RP: A Multi-Disciplinary Approach to Detecting Adolescent Online Risks” - National Science Foundation - \$766,000 (Sep 2018 - Aug 2019).	

PI (100%) - “EAGER: PPER: Collaborative: Cellphone-Enabled Water Citizen Science for Data and Knowledge Generation, and Sharing: WatCitSci” - National Science Foundation - \$28,000 (Nov 2017 - Oct 2019).

PI (60%) - “SaTC: CORE: Small: A Privacy-Preserving Meta-Data Analysis Framework for Cyber Abuse Research - Foundations, Tools and Algorithms” - National Science Foundation - \$530,333 (Sep 2017 - Aug 2020).

PI (100%) - “Doolittle/ Sofwerx Research Program” - Doolittle Institute - \$565,338 (Aug 2017 - Dec 2019). In addition, match funds were awarded from Florida High Tech Corridor (\$300,000) and Florida Center for Cyber Security (\$222,000) to support project.

PI (60%) - “I-Corps: Phone Call Passport: A Smartphone Application to Allow Free Phone Calls” - National Science Foundation - \$50,000 (Apr 2014 - Dec 2015).

PI (100%) - “EAGER: Collaborative Research: A Multi-Disciplinary Framework for Modeling Spatial, Temporal and Social Dynamics of Cyber Criminals” - National Science Foundation - \$101,248 (Sep 2013 - Aug 2015).

PI (100%) - “Developing Software for Assessing Adolescent Depression from Internet Usage” - UM Intellectual Property Fast Track II Initiative - \$19,600 (June 2013 - June 2014).

PI (100%) - “CAREER: Human Behavior Assessment from Internet Usage: Foundations, Applications and Algorithms” - National Science Foundation - \$492,409 (Feb 2013 - Jan 2019).

Co-PI (10%) - “Common Correctness for Protecting Confidentiality Critical Infrastructure Systems” - National Security Agency - \$41,788 (Oct 2012 - Sep 2013).

PI (35%) - “A Heterogeneous Secure Networking Test-Bed to Counter Explosives” - Army Research Office - \$249,978 (Sep 2012 - Aug 2014).

Co-PI (10%) - “I/UCRC: Net-Centric Software Systems Center Site at Missouri University of Science and Technology” - National Science Foundation - \$300,000 (Sep 2012 - Aug 2017).

Co-PI (16%) - “A Doctoral Program in Security and Privacy in Mobile Social Network Space” - Department of Education - \$533,000 (Sep 2012 - Aug 2015).

PI (60%) - “II-New: Infrastructure to Support Integrated Research and Education in Socially Intelligent Computing at Missouri S&T” - National Science Foundation - \$281,680 (June 2012 - May 2016).

PI (100%) - “Techniques for Secure and Privacy Preserving VANETs” - Missouri Research Board - \$13,000 (June 2012 - June 2013).

Co-PI (20%) - “Planning Grant: I/UCRC for Net-Centric Software Systems Center Site at Missouri University of Science and Technology” - National Science Foundation - \$13,000 (Feb 2012 - Jan 2014).

Co-PI (50%) - “Travel Grant for Attending 30th IEEE Symposium on Reliable Distributed Systems in Madrid, Spain” - National Science Foundation - \$10,000 (Sep 2011 - Aug 2013).

Co-PI (10%) - “Agile Systems Engineering: Investigation and exploration of immersive training technologies” - DARPA - \$119,988 (Aug 2011 - June 2012).

Co-PI (50%) - “Resilient IED Detection Sensor Networks Against Location Disclosure Attacks” - Army Research Office - \$202,527 (Aug 2010 - Aug 2013).

Co-PI (10%) - “REU Site: Research and Training Experience for Undergraduates in the Area of Sensor Computing (International Component - Supplement to NSF REU Site)” - National Science

Foundation - \$20,020 (Mar 2010 - Feb 2011).

PI (100%) - “Securing Wireless Sensor Networks against Mobility-Centric Attacks” - Missouri Research Board - \$24,000 (June 2009 - June 2010).

PI (100%) - “Malware Spread in Next Generation Vehicular Networks: Modeling, Detection & Defense” - Missouri S&T University Transportation Center - \$23,448 (June 2009 - June 2010).

BOOK
CHAPTERS

2. Sriram Chellappan and Neelanjana Dutta, “Mobility in Wireless Sensor Networks”, Chapters in *Advances in Computers*, edited by Ali Hurson and Atif Memon, Academic Press, 2013.

1. Dong Xuan, **Sriram Chellappan** and Xun Wang, “Resilience of Structured Peer-to-Peer Systems: Analysis and Enhancement”, in *Handbook on Theoretical and Algorithmic Aspects of Sensor, Ad Hoc Wireless and Peer-to-Peer Networks*, edited by Jie Wu, CRC press LLC, 2004.

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28. Sajeda Akter, **Sriram Chellappan**, Tushar Chakraborty, Taslim Khan, Ashikur Rahman and Alim Al Islam, “Man-in-the-Middle Attack on Contactless Payment over NFC Communications: Design, Implementation, Experiments and Detection”, accepted to appear in *IEEE Transactions on Dependable and Secure Computing (TDSC)*, 2020.

27. Avijit Sengupta, Kaushik Dutta, Theresa Beckie and **Sriram Chellappan**, “Designing a Health Coach-Augmented mHealth System for the Secondary Prevention of Coronary Heart Disease Among Women”, accepted to appear in *IEEE Transactions on Engineering Management*, 2020.

26. Mona Minakshi, Pratoool Bharti, Tanvir Bhuiyan, Sherzod Kariev and **Sriram Chellappan**, “A Framework based on Deep Neural Networks to Extract Anatomy of Mosquitoes from Images”, in *Scientific Reports* **10**, 13059 (2020).

25. Mona Minakshi, Tanvir Bhuiyan, Sherzod Kariev, Martha Kaddumukasa, Denis Loum, Nathanael Stanley, **Sriram Chellappan**, Peace Habomugisha, David W. Oguttu and Benjamin Jacob, “High-accuracy detection of malaria mosquito habitats using drone-based multispectral imagery and Artificial Intelligence (AI) algorithms in an agro-village peri-urban pastureland intervention site (Akonyibedo) in Unyama SubCounty, Gulu District, Northern Uganda”, in *Journal of Public Health and Epidemiology*, Vol 12/3, July 2020.

24. Avijit Sengupta, Theresa Beckie, Kaushik Dutta, Arup Dey and **Sriram Chellappan**, “A Mobile Health Intervention System for Women With Coronary Heart Disease: Usability Study”, in *JMIR Formative Research*, Vol 4/6, June 2020.

23. Kaoutar Ben Ahmed, Bharti Goel, Pratoool Bharti, **Sriram Chellappan** and Mohammed Bouhorma, “Leveraging Smartphone Sensors to Detect Distracted Driving Activities”, in *IEEE Transactions on Intelligent Transportation Systems (T-ITS)*, Vol 20/9, Sep 2019.

22. Anthony Windmon, Mona Minakshi, Pratoool Bharti, **Sriram Chellappan**, Marcia Johanssen, Bradlee Jenkins and Ponrathi Athilingam, “TussisWatch: A Smart-phone System to Identify Cough Episodes as Early Symptoms of Chronic Obstructive Pulmonary Disease and Congestive Heart Failure”, in *IEEE Journal of Biomedical and Health Informatics (J-BHI)*, Vol 23/4, July 2019.

21. Pratoool Bharti, Debraj De, **Sriram Chellappan** and Sajal Das, “HuMAN: Complex Activity Recognition with Multi-modal Multi-positional Body Sensing”, in *IEEE Transactions on Mobile Computing (TMC)*, Vol 18/4, April 2019.

20. Pratoool Bharti, Anurag Panwar, Ganesh Gopalakrishna, and **Sriram Chellappan**, “Watch-Dog: Detecting Self-Harming Activities from Wrist Worn Accelerometers”, in *IEEE Journal of Biomedical and Health Informatics (J-BHI)*, Vol 22/3, May 2018.

19. Srinivas Thandu, Pratoool Bharti, **Sriram Chellappan** and Zhaozheng Yin, “Leveraging Multi-

modal Smartphone Sensors for Ranging and Estimating the Intensity of Explosion Events”, in Special Issue on Emerging Technologies in Pervasive Sensing, *Journal of Pervasive and Mobile Computing (PMC)*, Vol 20/1, Sep 2017.

18. Debraj De, Pratoool Bharti, Sajal Das and **Sriram Chellappan**, “Multimodal Wearable Sensing for Fine-Grained Activity Recognition in Healthcare”, in *IEEE Internet Computing (IC)*, Vol 19/5, Sep-Oct 2015.

17. Muhammad Al Mutaz, Levi Malott and **Sriram Chellappan**, “Detecting Sybil Attacks in Vehicular Networks”, in *Springer Journal of Trust Management*, Vol 1/4, May 2014.

16. Mark Snyder, **Sriram Chellappan** and Mayur Thakur, “Distributed Exploratory Coverage with Limited Mobility”, in *International Journal of Space-Based and Situated Computing*, Vol 4/2, pp 114-124, 2014.

15. Tamal Paul, Jonathan Kimball, Maciej Zawodniok, Thomas Roth, Bruce McMillin and **Sriram Chellappan**, “Unified Invariants for Cyber-Physical Switched System Stability”, in *IEEE Transactions on Smart Grid (TSG)*, Vol 5/1, pp 112-120, January 2014.

14. Frances Montgomery, **Sriram Chellappan**, Raghavendra Kotikalapudi, Donald Wunsch and Karl Lutzen, “Monitoring Student Internet Patterns: Big Brother or Promoting Mental Health?”, *Journal of Technology in Human Services (JTHS)*, Vol. 31/1, pp 61-70, Spring 2013.

13. Raghavendra Kotikalapudi, **Sriram Chellappan**, Frances Montgomery, Donald Wunsch and Karl Lutzen, “Associating Depressive Symptoms in College Students with Internet Usage Using Real Internet Data”, *IEEE Technology & Society Magazine (TSM)*, Vol. 31/4, pp 73-80, Winter 2012.
Press Release: The New York Times, TIME, Forbes, MSNBC, Times of India, The Hindu, ScienceDaily, Slashdot, IEEE News, ACM Tech News and many more.

12. Wenjun Gu, **Sriram Chellappan**, Xiaole Bai and Honggang Wang, “Scaling Laws of Random Key Pre-distribution Protocols in Wireless Sensor Networks”, in *IEEE Transactions on Information Forensics and Security (TIFS)*, Vol 6/4, pp 1370-1381, Dec 2011.

11. Wenjun Gu, Neelanjana Dutta, **Sriram Chellappan** and Xiaole Bai, “Providing End-to-End Secure Communications in Wireless Sensor Networks”, *IEEE Transactions on Network and Service Management (TNSM)*, Vol 8/3, pp 205-218, Sep 2011.

10. Changqing Xu, Xiaole Bai, Lei Ding, Jin Teng, **Sriram Chellappan** and Dong Xuan, “Directed-Coverage in Wireless Sensor Networks: Concept and Quality”, in *Ad Hoc & Sensor Wireless Networks (AHSWN)*, Vol 11/3/4, pp 173-197, June 2011.

9. Wei Yu, **Sriram Chellappan**, XunWang and Dong Xuan, “Peer-to-Peer System-based Active Worm Attacks: Modeling, Analysis and Defense”, in *Elsevier Journal of Computer communications (COMCOM)*, Vol 31/ 17, pp 4005-4017, Nov 2008.

8. Wenjun Gu, Xiaole Bai, **Sriram Chellappan** and Dong Xuan, “Network Decoupling: A Methodology for Secure Communications in Wireless Sensor Networks”, in *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, Vol. 18, No. 12, Dec. 2007, pp 1784 - 1796.

7. **Sriram Chellappan**, Wenjun Gu, Xiaole Bai, Dong Xuan, Bin Ma and Kaizhong Zhang “Deploying Wireless Sensor Networks under Limited Mobility Constraints”, in *IEEE Transactions on Mobile Computing (TMC)*, Vol. 6, No. 10, Oct. 2007, pp 1142 - 1157.

6. **Sriram Chellappan**, Xiaole Bai, Bin Ma, Dong Xuan and Changqing Xu, “Mobility Limited Flip-based Sensor Networks Deployment”, in *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, Vol. 18, No. 2, Feb. 2007, pp 199 - 211.

5. Xun Wang, **Sriram Chellappan**, Philip Corey Boyer and Dong Xuan, “On the Effectiveness of

Secure Overlay Forwarding Systems under Intelligent Distributed DoS Attacks”, in IEEE Transactions on Parallel and Distributed Systems (TPDS), Vol. 17, No. 7, June. 2006, pp. 619-632.

4. Arjan Durrezi, Praveen Kandikuppa, Mukundan Sridharan, **Sriram Chellappan**, Leonard Barolli and Raj Jain, “LED: Load Early Detection: A Congestion Control Algorithm based on Router Traffic Load,” in Journal of Information Processing Society of Japan (IPJS), Vol. 47, No. 2, Feb. 2006, pp. 94 - 107.

3. Xun Wang, Wenjun Gu, Kurt Schosek, **Sriram Chellappan** and Dong Xuan, “Sensor Network Configuration under Physical Attacks”, in International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC), Inderscience, Vol. 3619/2005, Jan. 2006, pp. 23-32.

2. Wei Yu, **Sriram Chellappan**, Dong Xuan and Wei Zhao, “Distributed Policy Processing in Active-Service based Infrastructures”, in International Journal of Communication Systems (IJCS), John Wiley and Sons, Vol. 19, Issue 7, May. 2005, pp. 727-750.

1. Wei Yu, **Sriram Chellappan** and Dong Xuan, “P2P/ Grid-based Overlay Architecture to Support VoIP Services in Large Scale IP Networks”, in Journal of Future Generation Computer Systems (FGCS), Elsevier, Vol. 21, No. 1, Jan. 2005.

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68. Ravi Sharma, Sri Divya Pagadala, Pratoool Bharti, **Sriram Chellappan**, Trine Schmidt and Raj Goyal, “Assessing COVID-19 Impacts on College Students via Automated Processing of Free-form Text”, in Proc. of 14th International Conference on Health Informatics (HealthInf), Feb 2021.

67. Saiful Salim, Adnan Quaium, **Sriram Chellappan** and Alim Al Islam, “Enhancing Fidelity of Quantum Cryptography using Maximally Entangled Qubits”, in Proc. of IEEE Global Communications Conference (GLOBECOM), Taipei, Dec 2020.

66. Arup Dey, Bharti Goel and **Sriram Chellappan**, “Detecting Distracted Driving from Images by Processing Relative Locations of Objects of Interest inside Vehicles”, in Proc. of 15th International Conference on Broadband and Wireless Computing, Communication and Applications (BWCCA), Yonago, Oct 2020.

65. Bharti Goel, Giovanni Luca Ciampaglia and **Sriram Chellappan**, “Impact of False Reporting Attacks in Privacy-preserving Contact Tracing”, in Proc. of The International School and Conference on Network Science (NetSci), Sep 2020.

64. Mona Minakshi, Pratoool Bharti, Willie McClinton III, Jamshidbek Mirzakhlov, Ryan Carney and **Sriram Chellappan**, “Automating the Surveillance of Mosquito Vectors from Trapped Specimens Using Computer Vision Techniques”, in ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS), Guayaquil, June 2020.

63. Farhana Shahid, Shahinul Ony, Takrim Albi, **Sriram Chellappan**, Aditya Vashistha and A.B.M. Alim Al Islam “Learning from Tweets: Opportunities and Challenges to Inform Policy Making During Dengue Epidemic”, in Proc. of 23rd ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), Minneapolis, May 2020 (**Best Paper Honorable Mention Award**).

62. Dzung Tran, Si Dang, Tancel Yucelen and **Sriram Chellappan**, “An Experiment on Vision-Based Leader-Following for Multiagent Systems”, in Proc. of AAAI Science and Technology Forum and Exposition (SciTech), Orlando, Jan 2020.

61. Meghna Chaudhary, Ravi Sharma and **Sriram Chellappan**, “Pairing Users in Social Media via Processing Meta-data from Conversational Files”, in Proc. of International Conference on Big Data Analytics (BDA), Ahmedabad, Dec 2019.

60. Atanu Shome, Md. Mizanur Rahman, **Sriram Chellappan** and A.B.M. Alim Al Islam, “A Generalized Mechanism beyond NLP for Real-Time Detection of Cyber Abuse through Facial Ex-

pression Analytics”, in Proc. of 16th ACM/EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous), Houston, Nov 2019.

59. Md. Mizanur Rahman, Atanu Shome, **Sriram Chellappan** and A.B.M. Alim Al Islam, “How Smart Your Smartphone Is in Lie Detection?”, in Proc. of 16th ACM/EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous), Houston, Nov 2019.

58. Mazharul Islam, Novia Naurin, Mohammad Kaykobad, **Sriram Chellappan** and A.B.M. Alim Al Islam, “HEliOS: Huffman Coding Based Lightweight Encryption Scheme for Data Transmission”, in Proc. of 16th ACM/EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous), Houston, Nov 2019.

57. Pratoool Bharti, Arup Dey, **Sriram Chellappan** and Theresa Beckie, “An Experimental Investigation Comparing Age-Specific and Mixed-Age Models for Wearable Assisted Activity Recognition in Women”, in Proc. of 12th International Conference on Health Informatics (HealthInf), Prague, Czech Republic, Feb 2019.

56. Jesse Jaramillo, Tyler Wiecek, Dzung Tran, Venkata Dadi, Tancel Yucelen and **Sriram Chellappan**, “Experimental Validation of a Distributed Control Approach Based on Multiplex Networks on Formations of Unmanned Aerial Vehicles”, in Proc. of AAAI Science and Technology Forum and Exposition (SciTech), San Diego, Jan 2019.

55. Adel Alshehri, Wainella Isaacs, Aseel Addawood, Maya Trotz and **Sriram Chellappan**, “Predicting Community Engagement on Twitter on Environmental Health Hazards”, in Proc. of International Workshop on Semantic Computing for Social Networks and Organization Sciences, in conjunction with 13th IEEE International Conference on Semantic Computing (ICSC), Newport Beach, Jan 2019.

54. Jannatun Noor, Md. Golam Hossain, Muhammad Ahad Alam, Ashraf Uddin, **Sriram Chellappan** and A. B. M. Alim Al Islam, “svLoad: An Automated Test-Driven Architecture for Load Testing in Cloud Systems”, in Proc. of IEEE Global Communications Conference (GLOBECOM), Abu Dhabi, Dec 2018.

53. Zaheen Mustakin, Saad Manzur, Tanzila Choudhury, Farzana Rahman, **Sriram Chellappan** and A. B. M. Alim Al Islam, “Super-savior: An Independent Open Platform Wearable for Generating Emergency Alarms”, in Proc. of 5th IEEE International Conference on Networking, Systems and Security (NSysS), Dhaka, Dec 2018.

52. A. Rizvi, Tarik Reza Toha, Siddhartha Shankar Das, **Sriram Chellappan** and A. B. M. Alim Al Islam, “Exploiting a Synergy between Greedy Approach and NSGA for Scheduling in Computing Clusters”, in Proc. of 5th IEEE International Conference on Networking, Systems and Security (NSysS), Dhaka, Dec 2018.

51. Mona Minakshi, Pratoool Bharti and **Sriram Chellappan**, “Leveraging Smart-Phone Cameras and Image Processing Techniques to Classify Mosquito Species”, in Proc. of 15th ACM/EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous), New York City, Nov 2018.

50. Soheil Sarmadi, Mingyang Li and **Sriram Chellappan**, “A Statistical Framework to Forecast Duration and Volume of Internet Usage Based on Pervasive Monitoring of NetFlow Logs”, in Proc. of 32nd IEEE International Conference on Advanced Information Networking and Applications (AINA), Krakow, May 2018.

49. Bharti Goel, Arup Kanti Dey, Pratoool Bharti, Kaoutar Ben Ahmed and **Sriram Chellappan**, “Detecting Distracted Driving Using a Wrist-Worn Wearable”, in Proc. of Workshop on Sensing Systems and Applications Using Wrist Worn Smart Devices (WristSense) in conjunction with IEEE Intl. Conf. on Pervasive Computing and Communications (PerCom), Athens, March 2018.

48. Anthony Windmon, Mona Minakshi, **Sriram Chellappan**, Ponrathi R. Athilingam, Marcia Johansson and Bradlee A. Jenkins, "On Detecting Chronic Obstructive Pulmonary Disease (COPD) Cough Using Audio Signals Recorded from Smart-Phones", in Proc. of 11th International Conference on Health Informatics (HealthInf), Funchal, Portugal, Jan 2018.
47. Soheil Sarmadi, Mingyang Li and **Sriram Chellappan**, "On the Feasibility of Profiling Internet Users based on Volume and Time of Usage", in Proc. of IEEE Latin-American Conference on Communications (LatinCom), Guatemala City, Nov 2017.
46. Bharti Goel, Arup Dey and **Sriram Chellappan**, "Detecting Routes Taken by Users on Public Vehicles From their Wearables", in Proc. of IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, Oct 2017.
45. Sajeda Akter, Tushar Chakraborty, Taslim Khan, **Sriram Chellappan** and Alim Al Islam, "Can You Get into the Middle of NFC?", in Proc. of IEEE Conference on Local Computer Networks (LCN), Singapore, Oct 2017.
44. Mona Minakshi, Pratoool Bharti, and **Sriram Chellappan**, "Identifying Mosquito Species using Smart-Phone Cameras", in Proc of European Conference on Networks and Communications (EuCNC), Oulu, Finland, June 2017.
43. Francesco Restuccia, Sajal K. Das, Srinivas Thandu and **Sriram Chellappan**, "RescuePal: a Smartphone-based System to Discover People in Emergency Scenarios", in Proc. of 5th Intl. Workshop on Internet of Things, Smart Objects and Services in conjunction with IEEE Intl. Symposium on A World of Wireless, Mobile and Multimedia Networks (WoWMoM), Coimbra, Portugal, June 2016.
42. Anurag Panwar, Mariam Al-Lami, Pratoool Bharti, **Sriram Chellappan** and Joel Burken., "Determining the Effectiveness of Soil Treatment on Plant Stress using Smart-phone Cameras", in Proc. of IEEE Intl. Conf. on Selected Topics in Mobile and Wireless Networking (MoWNet), Cairo, Egypt, April 2016.
41. Srinivas Thandu, **Sriram Chellappan** and Zhaozheng Yin, "Ranging Explosion Events Using Smartphones", in Proc. of IEEE Intl. Conf. on Wireless and Mobile Computing, Networking and Communications (WiMob), Abu Dhabi, Oct 2015.
40. Srinivas Thandu, Levi Malott, Pratoool Bharti and **Sriram Chellappan**, "On the Feasibility of Leveraging Smartphone Accelerometers to Detect Explosion Events", in Proc. of IEEE Intl. Conf. on Mobile Data Management (MDM), Pittsburgh, June 2015.
39. **Sriram Chellappan**, "Mining Digital Data for Smarter Mental Healthcare", Invited Paper in Proc. of Intl. Conf. on Collaboration Technologies and Systems (CTS), Atlanta, June 2015.
38. Levi Malott, Pratoool Bharti, Nicholas Hilbert, **Sriram Chellappan** and Ganesh Gopalakrishna, "Detecting Self-harming Activities with Wearable Devices", in Proc. of Workshop on Sensing Systems and Applications Using Wrist Worn Smart Devices (WristSense) in conjunction with IEEE Intl. Conf. on Pervasive Computing and Communications (PerCom), St. Louis, March 2015.
37. Ashish Choudhari, Harini Ramaprasad, **Sriram Chellappan**, Bruce McMillin, Jonathan Kimball and Maciej Zawodniok, "Adaptive Scheduling with Explicit Congestion Notification in a Cyber-Physical Smart Grid System", in Proc. of Euromicro Conference series on Software Engineering and Advanced Applications (SEAA), Verona, Aug 2014.
36. Levi Malott and **Sriram Chellappan**, "Investigating the fractal nature of individual user NetFlow data", in Proc. of Workshop on Hot Topics in Big data and Networking (Hot-Data), in conjunction with IEEE Intl. Conf. on Computer Communications and Networks (ICCCN), Shanghai, Aug 2014.

- 35.** Jake Bielefeldt and **Sriram Chellappan**, “Sensor Authentication in Collaborating Sensor Networks”, in Proc. of IEEE IFIP Annual Mediterranean Ad Hoc Networking Workshop (Med-Hoc-Net), Piran, June 2014.
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- 33.** Levi Malott, Sai Preethi Vishwanathan and **Sriram Chellappan**, “Differences in Internet Usage Patterns with Stress and Anxiety among College Students”, to appear in Proc. of IEEE Intl. Conf. on e-Health Networking, Applications and Services (HealthCom), Lisbon, Oct 2013.
- 32.** Mark Snyder, **Sriram Chellappan** and Mayur Thakur, “Exploratory Coverage in Limited Mobility Sensor Networks”, in Proc. of Intl. Conf. on Network Based Information Systems (NBIS), Gwangju, Sep 2013.
- 31.** Muhammad Al Mutaz, Levi Malott and **Sriram Chellappan**, “Leveraging Platoon Dispersion for Sybil Detection in Vehicular Networks”, in Proc. of IEEE Intl. Conf. on Privacy, Security and Trust (PST), Tarragona, July 2013.
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- 29.** Ashish Choudhuri, Harini Ramaprasad, Tamal Paul, Jonathan Kimball, Maciej Zawodniok, Bruce McMillin and **Sriram Chellappan**, “Stability of a Cyber-Physical Smart Grid System using Cooperating Invariants”, in Proc. of IEEE Intl. Computer Software & Applications Conf. (COMP-SAC), Kyoto, July 2013.
- 28.** Vamsi Paruchuri, R.B. Lenin and **Sriram Chellappan**, “Arrival time based Traffic Signal Optimization for Intelligent Transportation Systems”, in Proc. of IEEE Advanced Information Networking and Applications Conf. (AINA), Barcelona, Mar 2013.
- 27.** Gerry Howser, **Sriram Chellappan** and Vamsi Paruchuri, “Vehicle Path Verification using Wireless Sensor Networks”, in Proc. of International Workshop on Heterogeneous Wireless Networks (HWISE) in conjunction with IEEE Advanced Information Networking and Applications Conf. (AINA), Barcelona, Mar 2013.
- 26.** Nayot Poolsappasit, Vimal Kumar, Sanjay Madria and **Sriram Chellappan**, “Challenges in Secure Sensor-Cloud Computing”, in 8th Workshop on Secure Data Management (SDM) in conjunction with 37th Intl. Conf. on Very Large Data Bases (VLDB), Seattle, Aug 2011.
- 25.** Neelanjana Dutta, Raghavendra Kotikalapudi, Abhinav Saxena and **Sriram Chellappan**, “A Multi-tiered Architecture for Content Retrieval in Mobile Peer-to-Peer Networks”, Short Paper in 12th Intl. Conf. on Mobile Data Management (MDM), Lulea, June 2011.
- 24.** Jason Barnes, Vamsi Paruchuri and **Sriram Chellappan**, “On Optimizing Traffic Signal Phase Ordering in Road Networks”, in Intl. Workshop on Issues in Computing over Emerging Mobile Networks in conjunction with Proc. of 29th IEEE Symposium on Reliable Distributed Systems (SRDS), Delhi, Nov. 2010.
- 23.** Neelanjana Dutta, Abhinav Saxena and **Sriram Chellappan**, “Defending Wireless Sensor Networks Against Adversarial Localization”, accepted as Invited Paper in Intl. Workshop on Mobile P2P Data Management, Security and Trust (MP-DMST) in conjunction with Proc. of Intl. Conf. on Mobile Data Management (MDM), Kansas City, May 2010.

22. Xiaole Bai, Lei Ding, Jin Teng, **Sriram Chellappan**, Changqing Xu and Dong Xuan, "Directed Coverage in Wireless Sensor Networks: Concept and Quality", in Proc. of IEEE Intl. Conf. on Mobile, Ad-hoc and Sensor Systems (MASS), Macau, Oct. 2009.
21. Mark Snyder, **Sriram Chellappan** and Vamsi Paruchuri, "Event Coverage in Sparse Mobile Sensor Networks", in Proc. of Intl. Conf. on Network-Based Information Systems (NBIS), Indianapolis, Aug. 2009.
20. Pavan Roy Marupally, Vamsi Paruchuri, and **Sriram Chellappan**, "Privacy Preserving Portable Health Record (P3HR)", in Proc. of Intl. Conf. on Network-Based Information Systems (NBIS), Indianapolis, Aug. 2009.
19. Cyriac Kandoth and **Sriram Chellappan**, "Angular Mobility Assisted Coverage in Directional Sensor Networks", in Intl. Workshop on Emergent Mobile Networks, in Proc. of Intl. Conf. on Network-Based Information Systems (NBIS), Indianapolis, Aug. 2009.
18. Xiaole Bai, Wenjun Gu, **Sriram Chellappan**, Xun Wang, Dong Xuan and Bin Ma, "PAS: Predicate-based Authentication Services Against Powerful Passive Adversaries", in Proc. of Annual Computer Security Applications Conf. (ACSAC), Anaheim, Dec. 2008.
17. Vamsi Paruchuri, Arjan Durresi and **Sriram Chellappan**, "TTL based Packet Marking for IP Traceback", in Proc. of IEEE Global Communications Conference (Globecom), New Orleans, Dec. 2008.
16. **Sriram Chellappan**, Vamsi Paruchuri, Dylan McDonald and Arjan Durresi, "Localizing Sensor Networks in Un-Friendly Environments", in Proc. of IEEE Military Communications Conference (MILCOM), San Diego, Nov. 2008.
15. Vamsi Paruchuri, Arjan Durresi and **Sriram Chellappan**, "Secure Communications over Hybrid Military Networks" in Proc. of IEEE Military Communications Conference (MILCOM), San Diego, Nov. 2008.
14. Wenjun Gu, Xiaole Bai, **Sriram Chellappan** and Dong Xuan, "Network Decoupling for Secure Communications in Wireless Sensor Networks", in Proc. of IEEE International Workshop on Quality of Service (IWQoS), June 2006.
13. Xun Wang, **Sriram Chellappan**, Wenjun Gu, Wei Yu and Dong Xuan, "Policy-driven Physical Attacks in Sensor Networks: Modeling and Measurement", in Proc. of IEEE Wireless Communications and Networking Conference (WCNC), April 2006.
12. **Sriram Chellappan**, Xiaole Bai, Bin Ma and Dong Xuan, "Sensor Network Deployment using Flip-based Sensors", in Proc. of IEEE Mobile Sensor and Ad-hoc and Sensor Systems (MASS), Nov. 2005.
11. Wenjun Gu, Xun Wang, **Sriram Chellappan**, Dong Xuan and Ten H. Lai, "Defending against Search-based Physical Attacks in Sensor Networks", in Proc. of IEEE Mobile Sensor and Ad-hoc and Sensor Systems (MASS), Nov. 2005.
10. Wei Yu, **Sriram Chellappan**, Xun Wang and Dong Xuan, "On Defending Peer-to-Peer System-based Active Worm Attacks", in Proc. of IEEE Global Telecommunications Conference (GLOBECOM), Nov. 2005.
9. Xun Wang, **Sriram Chellappan**, Wenjun Gu, Wei Yu and Dong Xuan, "Search-based Physical Attacks in Sensor Networks", in Proc. of IEEE International Conference on Computer Communication and Networks (ICCCN), Oct. 2005.
8. Xun Wang, Wenjun Gu, Kurt Schosek, **Sriram Chellappan** and Dong Xuan, "Sensor Network Configuration under Physical Attacks", in Proc. of IEEE International Conference on Computer

Networks and Mobile Computing (ICCNMC), Aug. 2005.

7. Arjan Durresi, Mukundan Sridharan, **Sriram Chellappan**, Raj Jain, Hitai Ozbai and Leonard Barolli, “Control Theory Optimization of MECN in Satellite Networks”, in Proc. of IEEE International Conference on Distributed Computing Systems Workshops (ICDCS- MNSA), June 2005.

6. Wei Yu, Philip Coyer Boyer, **Sriram Chellappan** and Dong Xuan, “Peer-to-Peer System-based Active Worm Attacks: Modeling and Analysis”, in Proc. of IEEE International Conference on Communications (ICC), May 2005.

5. Xun Wang, Wenjun Gu, Kurt Schosek, **Sriram Chellappan** and Dong Xuan, “Lifetime Optimization of Sensor Networks under Physical Attacks”, in Proc. of IEEE International Conference on Communications (ICC), May 2005.

4. Dong Xuan, **Sriram Chellappan**, Xun Wang and Shengquan Wang, “Analyzing the Secure Overlay Services Architecture under Intelligent DDoS Attacks”, in Proc. of IEEE International Conference on Distributed Computing Systems (ICDCS), March 2004.

3. Dong Xuan, **Sriram Chellappan** and Muralidhar Krishnamoorthy, “RChord: An Enhanced Chord System Resilient to Routing Attacks”, in Proc. of IEEE International Conference on Computer Networks and Mobile Computing (ICCNMC), Oct 2003.

2. Arjan Durresi, Mukundan Sridharan, **Sriram Chellappan**, Hitay Ozbay, and Raj Jain, “Tuning RED in Satellite Networks Using Control Theory”, in Proc. of SPIE Internet Quality of Service, (ITCOMM), Sep 2003.

1. Pierre Quet, **Sriram Chellappan**, Arjan Durresi, Mukundan Sridharan, Hitay Ozbay and Raj Jain, “Guidelines for optimizing Multi-Level ECN, using fluid flow based TCP model”, in Proc. of SPIE Internet Quality of Service, (ITCOMM), July 2002.

MENTORING ACTIVITIES

One of two official mentors for **Willie McClinton III** in his **successful application** for the **Barry M. Goldwater** Scholarship in 2019. The Goldwater Scholarship is considered to be “the most prestigious undergraduate scholarship given in the natural sciences, engineering and mathematics”.

INVITED TALKS/ PANELS/ TUTORIALS

“**Security, Privacy and Safety in Intelligent Transportation Systems**”
- Workshop on Cybersecurity in Public Transportation, Tampa, USA, (April 2019).

“**Brave New World: Privacy & Security in the Age of Machine Learning and Artificial Intelligence**”
- Panelist in Cyber Florida Research Symposium, Tampa, USA, (April 2019)

“**What Constitutes a Good BS in Cyber Security Program - An Academia-Industry Perspective**”
- Sunshine State Teaching & Learning Conference, Daytona Beach, USA, (Jan 2019).

“**Understanding and Addressing Cybersecurity from Different Angles: Computer Science, Education, and Social Science**”
- Florida Cyber Conference, Tampa, USA, (Oct 2018).

“**Human Centered Designs for Cyber Security**”
- IEEE Intl. Conf. on Networking, Systems and Security (NSysS), Dhaka, Bangladesh, (Jan 2017).

“**Wearable Sensing for Activity Recognition Towards Smarter Healthcare**”
- Indian Institute of Technology (IIT), Madras, India, (Jan 2017).

“**Smart and Connected Healthcare - Challenges, Wearables and Algorithms**”
- Tutorial at Intl. Conf. on Collaboration Technologies and Systems (CTS), Orlando, (Oct 2016).

“Mining Digital Data for Smarter Mental HealthCare”

- The 2015 International Conference on Collaboration Technologies and Systems (CTS), Atlanta (June 2015).

“Internet Forensics for Smarter Health and Cyber Security”

- Dept. of Computer Science and Engineering, University of North Texas, Denton (May 2014).

“Combating Cyber Crimes via Human Behavior Assessment”

- Interdisciplinary Conference on Cybercrime at Michigan State University, East Lansing (March 2014).

“What Secrets can the Internet Reveal About Your Health?”

- Duke University Center for Personalized and Precision Medicine, Durham (Feb 2014).

“Fingerprinting Human Behavior in Cyber Space”

- Los Alamos National Laboratory (Feb 2014).

“Experimental Studies on Associating Internet Usage with Mood Disorders”

- Dept. of Math., Stat. and Computer Science, Marquette University, Milwaukee (Nov 2013).

TEACHING AT USF **CIS 3363:** IT Systems Security (UG)

Topics: Introduction to Security Fundamentals in IT Systems, Network Security, Systems Security, Supply Chain Management Security

Semesters Taught: Fall 2018, 2019, 2020; Spring 2018, 2019, 2020.

COT 4210: Automata Theory/ Formal Languages (UG)

Topics: Theory of Computer Science, Introduction to Complexity, Regular Languages, Context Free Languages and Turing Machines

Semester Taught: Spring 2017.

CIS 4930: Information Security and Privacy in Distributed Systems (UG)

Topics: Information Security, Information Privacy, Digital Forensics

Semesters Taught: Fall 2016, 2017.

CIS 6375: Information Security and Privacy in Distributed Systems (Grad)

Topics: Information Security, Information Privacy, Digital Forensics

Semesters Taught: Fall 2015, 2016, 2017; Spring 2016, 2017, 2018, 2019, 2020.

CIS 6930: Computer Systems Security (Grad)

Topics: Systems Security, Trust in Cyber Space, Cyber-Physical Systems Security

Semesters Taught: Spring 2016, 2017, 2018, 2019, 2020.

TEACHING AT
MISSOURI S&T

CS 220: Theory of Computer Science (UG)

Topics: Regular Languages, Context Free Languages and Turing Machines

Semesters Taught: Fall 2011, 2012, 2013, 2014; Spring 2015.

CS 284: Introduction to Operating Systems (UG)

Topics: OS design principles, Unix, Concurrency, Memory Management, Scheduling, Real-time OS, Network Programming and OS Security

Semesters Taught: Fall 2008, 2009, 2010, 2014; Spring 2011, 2012, 2013, 2014.

CS 468: Advanced Network Security (Grad)

Topics: Security, Privacy and Trust topics in Wireless and Wired Networks

Semesters Taught: Spring 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015.

PROFESSIONAL
SERVICES

PC Chair: 9th International Conference on Computational Social Networks (CSoNet), Dallas, Dec 2020.

PC Chair: 13th IEEE International Conference on Wireless Algorithms, Systems and Applications (WASA), Tianjin, June 2018.

Guest Editor: IEEE Transactions on Network Science and Engineering (TNSE), Special Issue on Network Science for High-Confidence Cyber-Physical Systems 2017.

Guest Editor: Elsevier Pervasive and Mobile Computing Journal (PMC), Special Issue on Big Data for Healthcare 2016.

PhD Forum Chair: IEEE International Conference on Pervasive Computing and Communications (PerCom) 2015.

Finance Chair: IEEE International Symposium on Reliable Distributed Systems (SRDS) 2010, 2012.

Publicity Chair: IEEE International Symposium on Privacy Aware Computing (PAC) 2018.

Publicity Chair: IEEE International Symposium on Reliable Distributed Systems (SRDS) 2009, 2011.

Publicity Chair: IEEE International Conference on Mobile Data Management (MDM) 2015.

PhD Forum Chair: IEEE International Conference on Mobile Data Management (MDM) 2010.

TPC Member: ICDCS 2018, INFOCOM 2015, 2016, 2017, 2018, ICC 2015, AINA 2015, SMART-COMP 2014, MobiSPC 2014, MDM 2014, MSN 2014, MDM 2014, INFOCOM 2014, CCNC 2013, HuMoComp 2013, MDM 2013, AINA 2012, MSN 2011, MSN 2013, NBIS 2011, MASS 2011, MASS 2010, HWISE 2009.

NSF Panelist: CAREER, Smart and Connected Health, Cyber-Physical Systems, Networking Technology and Systems, Human Centered-Computing, SBIR programs.

NIDILRR Panelist: Field Initiated Project Competition (2017, 2018 and 2019).

COMMITTEES AT
USF

State of Florida Discipline Committee: Member for Cybersecurity Discipline (AY 2020-2021).

Undergraduate Program Coordinator for Cybersecurity: Led the committee in architecting the BS in Cybersecurity program from scratch, getting it approved at USF, and coordinating the program (2018-Present).

Undergraduate/ ABET Committee: Member of committee to handle Undergraduate and ABET duties, 2019.

Course Scheduling Committee: Member of Course Scheduling Committee, 2019.

Faculty Search Committee: Member of Faculty and Instructor Search Committee, 2016, 2017, 2018.

Infrastructure Committee: Member of Infrastructure Committee, 2018.

Data and Decision Support Committee: Data and decision support committee member 2016, 2017 and 2018.

Tenure and Promotion Committee: Tenure and Promotion committee member in 2015, 2016, 2017, 2018, 2019.

COMMITTEES AT
MISSOURI S&T

Faculty Search Committee: Member of Best in Class (BIC) faculty hiring committee in the area of Smart Living, 2015.

Honorary Degree Committee: Assist committee in evaluating candidate's eligibility for receiving Honorary Degree from Missouri S&T - 2009, 2010, 2011.

Intellectual Property Committee: Assist committee in resolving IP issues at Missouri S&T - 2012, 2013.

Colloquium Committee: I have personally invited 70 internationally reputed speakers from

Academia, Industry and Government to give seminars in the Computer Science department at Missouri S&T, and have coordinated all their visits - 2008, 2009, 2010, 2011, 2012, 2013, 2014.

Graduate Committee: Assist committee in resolving graduate studies issues in the Computer Science department at Missouri S&T - 2014.

Undergraduate Committee: Assist committee in resolving undergraduate studies issues in the Computer Science department at Missouri S&T - 2012, 2013.

Awards Committee: Assist committee in evaluating candidate's eligibility for receiving awards from Missouri S&T and UM system - 2011, 2012, 2013.

Peer Teaching Evaluations Committee: Assist committee in setting up procedures and assignments in performing peer teaching evaluations - 2011, 2012, 2013.

Faculty Search Committee: 2011, 2014.

PROFESSIONAL
MEMBERSHIP

IEEE Senior Member.

GRADUATED
STUDENTS

Mr. Anthony Windmon (PhD at USF)

Dissertation Title: Detecting Symptoms of Chronic Obstructive Pulmonary Disease and Congestive Heart Failure via Cough and Breath Sounds Using Smart-Phones and Machine Learning

Graduation Date: Dec 2020

Employment: Senior Model Analyst/ Validator and Assistant Vice President at Citibank.

Ms. Mona Minakshi (PhD at USF)

Dissertation Title: Automating the Classification of Mosquito Specimens using Image Processing Techniques

Graduation Date: Aug 2020

Employment: Cloud Solutions Engineer at Intel.

Ms. Bharti Goel (PhD at USF)

Dissertation Title: Algorithms to Profile Driver Behavior from Zero-permission Embedded Sensors

Graduation Date: May 2020

Employment: Data Scientist at Verb Surgical Inc.

Mr. Adel Alsheri (PhD at USF)

Dissertation Title: A Machine Learning Approach to Predicting Community Engagement on Social Media During Disasters

Graduation Date: Aug 2019

Employment: Academic Researcher, Department of Electronics and Communications Technology, King Abdulaziz City for Science and Technology.

Mr. Soheil Sarmadi (PhD at USF)

Dissertation Title: On the Feasibility of Profiling and Forecasting Internet Usage from NetFlow Logs

Graduation Date: Dec 2018

Employment: Software Engineer at Everest Labs.

Mr. Pratoool Bharti (PhD at USF)

Dissertation Title: Context Based Human Activity Recognition using Multi-modal Wearable Sensors

Graduation Date: Dec 2017

Employment: Assistant Professor, Department of Computer Science, Northern Illinois University.

Mr. Srinivas Thandu (PhD at Missouri S&T)

Thesis Title: Algorithms Leveraging Smartphone Sensing for Analyzing Explosion Events

Graduation Date: May 2016

Employment: Software Development Engineer at Amazon.

Mr. Mark Snyder (PhD at Missouri S&T)

Dissertation Title: Foundations of Coverage in Autonomic Mobile Sensor Networks

Graduation Date: May 2014

Employment: Senior Software Design Engineer at Microsoft.

Ms. Neelanjana Dutta (PhD at Missouri S&T)

Dissertation Title: Location Based Services in Wireless Ad Hoc Networks

Graduation Date: Aug 2013

Employment: Senior Cloud Engineer at Intel.

Ms. Venkata Sireesha Dadi (MS at USF)

Thesis Title: Drone Movement Control using Gesture Recognition from Wearable Devices

Graduation Date: Dec 2018

Employment: Software Developer at Pasco Sheriff's Office.

Mr. Kodhanda Siriyala (MS at USF)

Thesis Title: Determining Level of Cognitive Impairment via Computing Fractals using a Computer Game

Graduation Date: May 2018

Employment: Software Developer at Pasco Sheriff's Office.

Ms. Mona Minakshi (MS at USF)

Thesis Title: A Machine Learning Framework to Classify Mosquito Species from Smart-phone Images

Graduation Date: Aug 2018

Employment: Cloud Solutions Engineer at Intel (after graduating with a PhD from USF).

Mr. Surya Kamineni (MS at USF)

Thesis Title: Experimental Analysis on the Feasibility of Voice based Symmetric Key Generation for Embedded Devices

Graduation Date: May 2017

Employment: Data Science Analyst at Cross Country Home Services.

Mr. Anurag Panwar (MS at USF)

Thesis Title: Determining the Effectiveness of Soil Treatment on Plant Stress using Smart-phone Cameras

Graduation Date: Aug 2016

Employment: ML Software Engineer at Amazon.

Mr. Jake Bielefeldt (MS at Missouri S&T)

Thesis Title: Sensor Authentication in Collaborating Sensor Networks

Graduation Date: Dec 2014

Employment: R&D Engineer at Sandia Natl. Labs.

Mr. Srinivas Thandu (MS at Missouri S&T)

Thesis Title: On Temporal and Frequency Responses of Smartphone Accelerometers for Explosives Detection

Graduation Date: Dec 2014

Employment: Software Engineer at Amazon (after graduating with a PhD from Missouri S&T).

Mr. Ashok Bolla (MS at Missouri S&T)

Thesis Title: Crime Pattern Detection Using Online Social Media

Graduation Date: Dec 2014

Employment: Software Engineer at Paypal.

Ms. Doyal Mukherjee (MS at Missouri S&T)

Thesis Title: Privacy Preservation Using Spherical Chord

Graduation Date: May 2014
Employment: Software Engineer at Cerner Corp.

Ms. Sai Preethi Vishwanathan (MS at Missouri S&T)

Thesis Title: An Empirical Study on Symptoms of Heavier Internet Usage Among Young Adults
Graduation Date: Aug 2014
Employment: Software Engineer at Cerner Corp.

Mr. Muhammad Al Mutaz (MS at Missouri S&T)

Thesis Title: Sybil Detection in Vehicular Networks
Graduation Date: May 2013.

Mr. Gerry Howser (MS at Missouri S&T)

Thesis Title: Vehicle Path Verification Using Wireless Sensor Networks
Graduation Date: May 2012
Employment: Visiting Assistant Professor at Kalamazoo College, Michigan.

Mr. Raghavendra Kotikalapudi (MS at Missouri S&T)

Thesis Title: A Framework For Transparent Depression Classification In College Settings Via Mining Internet Usage Patterns
Graduation Date: Dec 2011
Employment: ML Software Engineer at Google.

CURRENT
ADVISEES

Mr. Arup Dey

Dissertation Topic: AI in Social Computing Applications

Mr. Ravi Sharma

Dissertation Topic: Mining Social Media for Sentiment Analysis

Mr. Tanvir Bhuiyan

Dissertation Topic: AI for Biology

Ms. Hye-Seon Yi

Dissertation Topic: Mining Big-data for E-Governance

Ms. Jamshidbek Mirzakhlov

Thesis Topic: Natural Language Processing

UG RESEARCH
ADVISEES

Mr. Abror Khaytbaev (current), Mr. Sidhant Raman (current), Mr. Shaminur Rahman (current), Mr. Sherzod Kariev (current), Mr. Noyem Khan (current), Mr. Willie McClinton (2019 Barry M. Goldwater Scholar, now at MIT), Mr. Redwan Rahman (with Twitter), Mr. Alejandro Salazar (with Cisco), Mr. Ahnaf Siddiqui (with Facebook).