

Srinivasan Murali

Assistant Professor, CEMS Department, Texas A&M University- San Antonio
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EDUCATION

Ph.D. in Computer Engineering,

- The University of Texas at Arlington, Arlington, TX, USA
- Advisor: Dr. Ming Li

Aug 2019 – May 2025

M.S. in Electrical Engineering,

- University at Buffalo, The State University of New York, Buffalo, NY, USA
- Advisor: Dr. Zhi Sun

Aug 2017 – Jul 2019

B.E. in Electrical and Electronics Engineering,

- Anna University, Chennai, India

Aug 2013 – Apr 2017

RESEARCH AREAS

- Sensing for user-centered security on IoT/Mobile devices
- Enhancing user safety through ubiquitous sensing
- User-centered computing on novel platforms (VR)

WORKING EXPERIENCE

Assistant Professor, Texas A&M University-San Antonio
Graduate Research Assistant, The University of Texas at Arlington
Graduate Teaching Assistant, The University of Texas at Arlington
Graduate Research Assistant, University at Buffalo

Jul 2025 – Present
May 2020 – May 2025
Sep 2019 – May 2025
Nov 2017 – Jul 2019

PUBLICATIONS

- [1] **Srinivasan Murali**, Wenqiang Jin, Vighnesh Sivaraman, Huadi Zhu, Tianxi Ji, Pan Li, Ming Li, “Continuous Authentication using Human-Induced Electric Potential,” in *Annual Computer Security Applications Conference (ACSAC ‘23)*
- [2] Wenqiang Jin *, **Srinivasan Murali** *, Youngtak Cho, Huadi Zhu, Tianhao Li, Rachael Thompson Panik, Anika Rimu, Shuchisnigdha Deb, Kari Watkins, Xu Yuan, and Ming Li, “CycleGuard: A Smartphone-based Assistive Tool for Cyclist Safety Using Acoustic Ranging,” in *The ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp ‘22)*
* **Equal contribution**
- [3] Huadi Zhu, Tianhao Li, Chaowei Wang, Wenqiang Jin, **Srinivasan Murali**, Mingyan Xiao, Dongqing Ye, Ming Li, “EyeQoE: A Novel QoE Assessment Model for 360-degree Videos Using Ocular Behaviors,” in *The ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp ‘22)*
- [4] Wenqiang Jin, **Srinivasan Murali**, Huadi Zhu, and Ming Li, “Periscope: A Keystroke Inference Attack Using Human Coupled Electromagnetic Emanations,” in *ACM SIGSAC Conference on Computer and Communications Security (CCS ‘21)*
- [5] Huadi Zhu, Wenqiang Jin, Mingyan Xiao, **Srinivasan Murali**, and Ming Li, “BlinKey: A Two-Factor User Authentication Method for Virtual Reality Devices,” in *The ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp ‘21)*
- [6] Wenqiang Jin, Ming Li, **Srinivasan Murali**, and Linke Guo, “Harnessing the Ambient Radio Frequency Noise for Wearable Device Pairing,” in *ACM SIGSAC Conference on Computer and Communications Security (CCS ‘20)*
- [7] Wenjun Jiang, Hongfei Xue, Chenglin Miao, Shiyang Wang, Sen Lin, Chong Tian, **Srinivasan Murali**, Haochen Hu, Zhi Sun, Lu Su, “Towards 3D Human Pose Construction Using WiFi,” in *The ACM International Conference on Mobile Computing and Networking (MobiCom ‘20)*

TEACHING EXPERIENCE

Graduate Teaching Assistant, CSE Dept., UT Arlington

Aug 2019 – May 2025

- Proctoring/Grading exams and assignments.
- Designing course modules/exams/assignments.
- Providing lectures for hands-on programming experience.
- Assisting students with cloud (MS Azure)

- Courses: CSE 4344/5344 (Computer Networks), CSE 6332 (Cloud Computing and Big Data), CSE 5335 (Web Data Management)

Student Mentor, CSE Dept., UT Arlington

Jan 2022 – May 2025

- Mentoring junior students (B.S., M.S. and Ph.D.) for research activities.

Teaching Assistant, OurCS @DFW workshop, CSE Dept., UT Arlington

Feb 2023, 2022, 2021, 2020

- Assisted undergraduate and high-school students in developing real-world IoT systems.

Student Mentor, Google exploreCSR Project, CSE Dept., UT Arlington

May 2020, 2021

- Mentored undergraduate students to develop a real-world IoT systems and deploy on cloud.

AWARDS & SCHOLARSHIPS

- Outstanding Graduate Teaching Assistant, CSE Dept, UTA College of Engineering 2025
- Student Conferenceship Award (Travel grant), Applied Computer Security Associates 2023
- OurCS@DFW, Runners-up, The University of Texas at Arlington 2023
- Graduate Studies Travel Grant Award, The University of Texas at Arlington 2022
- OurCS@DFW, Honorable Mention, The University of Texas at Arlington 2022
- OurCS@DFW, Runners-up, The University of Texas at Arlington 2021
- OurCS@DFW, Best Team award, The University of Texas at Arlington 2020
- Research Award Scholarship, The Research Foundation for SUNY 2019

ACADEMIA SERVICE

REVIEWER FOR JOURNALS/CONFERENCE PAPERS:

IEEE Transactions on Mobile Computing (*TMC*)

IEEE Conference on Communications and Network Security (*CNS*)

IEEE Transactions on Vehicular Technology (*TVT*)

ACM Pervasive Technologies Related to Assistive Environments (*PETRA*)

CONFERENCE STUDENT VOLUNTEER:

IEEE Conference on Communications and Network Security (*CNS*)

PRESENTATIONS

- “GPSBuster: Busting out Hidden GPS Trackers via MSoC Electromagnetic Radiations”, ACM SIGSAC Conference on Computer and Communications Security (**CCS**), Salt Lake City, UT, Oct. 14 - 18, 2024.
- “Continuous Authentication using Human-Induced Electric Potential”, Annual Computer Security Applications Conference (**ACSAC**), Austin, TX, Dec. 4 - 8, 2023.
- “CycleGuard: A Smartphone-based Assistive Tool for Cyclist Safety Using Acoustic Ranging”, The ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp**), Atlanta, GA, Sep. 11 - 15, 2022.