Suxia Cui Ph.D., M.S. E.E.

RESEARCH INTERESTS

- Image processing
- Computer vision
- Machine learning
- Cybersecurity

SELECTED HONORS/AWARDS

- PVAMU Faculty Senate Excellence in Service Award 2021.
- XSEDE Campus Champion Fellow 2020-2021.
- Roy G. Perry College of Engineering Outstanding Faculty Teaching Award 2011 & 2016.

GRANTS AND CONTRACTS

- PI, TAMU-PVAMU-PRISE Award, $20,000, Aug. 2022 – May 2023.
- PI, PVAMU Faculty RISE-Graduate Research Award, $10,000, Aug. 2021 – May 2022.
- Co-PI, "Planning Grant: Engineering Research Center for Precision Meteorology (ERC-PM)," NSF, $99,946, Sept. 2021 – Aug 2022.
- Co-PI, "Apple HBCU Innovation Grant," Apple, $1,250,000, June 2021 – May 2024.
- PI, "Secure Lambda," 2021 TARC Pitch Award, $5,000, May 2021 – April 2022.
- Co-PI, "Acquisition of Spirent CF20 CyberFlood for Cybersecurity Research and Teaching for
- Multidisciplinary Engineering at Prairie View A&M University," Department of Defense, $432,854, Aug. 2019 – Aug. 2021.
- Senior personnel, "CC* Team: SWEETER – SouthWest Expertise in Expanding, Training, Education and Research," NSF – CC*, $1,400,000, July 1, 2019 – June 30, 2022 (Award number: OAC 1925764).

- Co-PI, "Institutional Program: Enhancing Evidence – Based Pedagogies with Maker Culture in STEM Education," DoEd – MSEIP, $676,238, October 2018 – September 2021.
- PI, "CC* Network Design: Improve Network on Campus for Research and Education in Agriculture, Science, and Engineering at Prairie View A&M University," NSF-CC*, $515,964, August 2018 – July 2023 (Award number: OAC 1827243).
- Senior personnel, "SCC Planning: Smart and Connected Rural Communities," NSF, $100,000, Aug. 2017 – May 2019 (Award number: CNS 1737592).
- Co-PI, "S-STEM: Engineering Scholars Program: Fostering the Next Generation of STEM Leaders," NSF, $997,508, Sept. 15 2016– Aug. 31, 2023 (Award number: DUE 1644223).
- Co-PI, "Widening Implementation of Evidence-Based Pedagogies in STEM Education," Department of Education, $611,453, Sept. 2014 – Aug. 2022.
- PI, "Targeted Infusion Project: Enriching Computing Curricula through HPC Teaching and Research," NSF- HBCU-UP-TIP, $479,721, September 2013 – August 2020 (Award number: HRD 1332566).
- PI, "MRI: Acquisition of a High Performance Computer Cluster for Multidisciplinary Computational Research at Prairie View A&M University," NSF-MRI, $394,222, October 2012 – September 2018 (Award number: OAC 1229744).
- PI, "Establish an Intelligent Equipment Lab for Precision Agriculture at Prairie View A&M University," Department of Agriculture, $299,974, September 2012 – August 2017.
- PI, "Advancing Research on Hyperspectral Image Classification," PVAMU 2013 mini-grant, $20,000, June 2013 – December 2013.
- Co-PI, "Building Computing Aptitude, Confidence, and Engagement for Students (Computing ACES)," NSF BPC-DP, $599,085, Mar. 2010 – Feb. 2016 (Award number: CNS 0940561).
- Co-PI, "Development and Validation of Nozzle Operation Map and an Image Processing Algorithm for the Operation of Mach 4 Supersonic Wind Tunnel at AAMU," NSF ADVANCE-PAID SEED grant, $20,000, Aug. 2012 – July 2013.
- PI, "Enhance Image and Video Coding Research at Prairie View A&M University", NSF ADVANCE-PAID SEED grant, $10,000, June 2011 – May 2012.

- Co-PI, "The ARO Center of Battlefield LOS/BLOS Lethality Research (CBLLR)," ARO, $520,000, Mar. 2010 – Sept. 2011.
- Co-PI, "Targeted Infusion Project: Engineering Technology Undergraduate Laboratories Enhancement with Graphical Development Tool," NSF HBCU-UP, $149,927, Sept. 2008 – Aug. 2011 (Award number: HRD 0714885).