



Curriculum Vitae

Faculty Name: Dr. Suxia Cui **Work Address:** P.O. Box 519; MS 2920
 Prairie View, TX 77446
Position Title: Professor, Department of Electrical and Computer Engineering, Roy G. Perry College of Engineering
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Education:	Degree and Area of Study	Institution Name	Degree Date
	Ph.D./ Computer Engineering	Mississippi State University, Starkville, MS	August 2003
	M.S./ Electrical Engineering	Beijing University of Technology, Beijing, China	August 1999
	B.S./ Electrical Engineering Minor in Computer Science	Mississippi State University, Beijing, China	August 1996

Teaching Experience	Position Title	Institution Name	Position Dates
	Professor	Prairie View A&M University	Sept. 2022 -- present
	Associate Professor	Prairie View A&M University	Sept. 2012 -- Aug. 2022
	Assistant Professor	Prairie View A&M University	Sept. 2003 -- Aug. 2012

Professional Publications:
(Book Chapter) S. Cui, and S. Homsy, "Deep Reinforcement for Co-resident Attack Mitigation in the Cloud," Artificial Intelligence Annual Volume 2022, IntechOpen, October 2022, ISBN: 978-1-83768-947-7. DOI: 10.5772/intechopen.105991

(Journals)
 Y. Zhou, S. Cui, and Y. Wang, "Machine Learning Based Embedded Code Multi-Label Classification," *IEEE Access*, Oct. 27, 2021, vol. 9, pp. 150187 – 150200, ISSN: 2169-3536, DOI: 10.1109/ACCESS.2021.3123498.
 R. McLean, and S. Cui, "Attendance Tracking System Using Deep Learning Based Face Recognition," *The Technology Interface International Journal*, vol. 22, no. 2, spring/summer 2022.
 W. Zhan, B. Hur, Y. Wang, S. Cui, and B. Yalvac, "Creating Maker Culture in an Engineering Technology Program," *International Journal of Engineering Education*, Vol. 37, No. 3, pp. 712-720, 2021.
 S. Cui, Y. Wang, "Engineering Applications in Precision Agriculture," *The Technology Interface International Journal*, vol. 20, No. 2, pp. 12-17, spring/summer 2020.
 S. Cui, Y. Zhou, Y. Wang, and L. Zhai, "Underwater Object Detection Using Deep Learning," *Hindawi: Applied Computational Intelligence and Soft Computing*, article ID 3738108, vol. 2020, <https://doi.org/10.1155/2020/3738108>
 M. Oteniya, S. Cui, Y. Wang, "Cybersecurity Challenges in Industry," *World Journal of Engineering research and Technology (WJERT)*, vol. 5, issue 4, July 2019.

(Conferences)
 L. Zhai, Y. Wang, S. Cui and Y. Zhou, "Enhancing Underwater Image Using Degradation Adaptive Adversarial Network," 2022 IEEE International Conference on Image Processing (ICIP), 2022, pp. 4093-4097, doi: 10.1109/ICIP46576.2022.9897624
 Y. Wang, V. Zarghami, and S. Cui, "Fake Face Detection Using Local Binary Pattern and Ensemble Modeling," in *Proceedings of the IEEE International Conference on Image Processing*, Anchorage, AK, USA, September 2021, pp. 3917-3921, doi: 10.1109/ICIP42928.2021.9506460.
 S. Alam, Y. Alam, S. Cui, A. Akujuobi, and M. Chouikha, "Toward Developing a Realistic DDoS Dataset for Anomaly-Based Intrusion Detection," in *proceedings of the 39th IEEE International Conference on Consumer Electronics (ICCE)*, Virtual, Jan. 10-12, 2021.
 W. Zhan, B. Hur, Y. Wang, S. Cui, and B. Yalvac, "Actively Engaging Project Based Learning through a Mini Maker Faire in an Engineering Technology Program," *ASEE 127th Annual Conference & Exposition*, 2020, Montreal, Quebec, Canada, June 21-24, 2020.

S. Cui, Y. Wang, and O. Ekwonah, "Keystroke Dynamics on User Authentication," *The 4th International Conference on Cybernetics (CYBCONF)*, Beijing, China, July 5-7, 2019.

Y. Zhou, S. Cui, and Y. Wang, "Development of Machine learning Based Recommendation Engine for Embedded Programmer," *The 9th IEEE International Conference on Electronics Information and Emergency Communication (ICEIEC 2019)*, Beijing, China, July 12-14, 2019.

Y. Wang, S. Cui, W. Zhan, and B. Yalvac, "Cultivating the Maker Culture through Evidence-Based Pedagogies," *ASEE 126th Annual Conference & Exposition*, 2019, Tampa, FL, June 16-19, 2019.

S. C. Hsiung, L. Xu, F. Jao, Y. Wang, and S. Cui, "A Continued Efforts in TI ARM M4 Microcontroller Curricula Developments and Assessments between Three Different Institutions and Programs," *ASEE 126th Annual Conference & Exposition*, 2019, Tampa, FL, June 16-19, 2019.

W. Zhan, Y. Wang, S. Cui, and B. Yalvac, "Enhancing Student Learning with Maker Events," *International Conference on Industry, Engineering, and Management Systems I*, Clearwater Beach, FL, March 17-19, 2019.

Funded Projects PI, "Apple HBCU Innovation Grant," Apple, \$1,250,000, June 2021 – May 2024.

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. 2022.

Co-PI, "Institutional Program: Enhancing Evidence – Based Pedagogies with Maker Culture in STEM Education," DoEd – MSEIP, \$676,238, October 2018 – September 2023.

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).

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).

Additional Trainings/Skills: Sabbatical leave at Computer Science and Engineering Department of Texas A&M University 2021.

XSEDE Campus Champion Fellow 2020-2021.

Professional Memberships Senior Member of IEEE.

Member of the "Eta Kappa Nu" Honor Society.

Member of SPIE.

Member of ASEE.