

Department of Computer Science Texas Tech University

<http://www.depts.ttu.edu/cs/>

Recent Faculty Hires



Ying Liu. Ph.D., Electrical and Computer Engineering, Rutgers University - New Brunswick (2017)
Assistant Professor
Network, Network Security, Applied Machine Learning, Game Theory



Tara Salman. Ph.D., Computer Engineering, Washington University, St. Louis (2021)
Assistant Professor
Cybersecurity, Blockchains, Artificial Intelligence



Lu Wei. Ph.D., Electrical Engineering, Aalto University (Finland) (2013)
Assistant Professor
Quantum Information



Jingjing Yao. Ph.D., Computer Engineering, New Jersey Institute of Technology (2021)
Assistant Professor
Internet of Drones, Applied Machine Learning, Mobile Edge Computing/Caching

Research Highlights

- Federal grants on cybersecurity to measure individual susceptibility against social engineering attacks (Dr. A. Namin with collaborators from the Department of Psychology) and on data science to leverage the growing process of datasets to deliver efficient search and data organizing (Dr. Y. Zhuang)
- Industrial grants with General Motor to optimize vehicle sequencing in general assembly (Drs. L. Chen, Y. Chen) and AVX Aircraft Company/US Army to develop metrics/dashboard for validating aircraft health, and to study the integrity and quality of aviation logistics and maintenance data (Dr. T. Dang)



Other Highlights

- Best Paper Award, the 35th IEEE International Parallel & Distributed Processing Symposium (IPDPS'21), the flagship conference of the IEEE TCPP (Technical Committee on Parallel Processing), entitled "xBGAS: A Global Address Space Extension on RISC-V for High Performance Computing" (Xi Wang, Dr. Chen's Ph.D. student and team).
- Best Paper Award, SmartNets 2021, entitled "On Finger Stretching and Bending Dynamics as a Biometric Modality" (Sraddhanjali Acharya, Dr. Serwadda's Ph.D. student)
- Best Paper Award, the IEEE International Conference on Electro-Information Technology (EIT) 2021, entitled "Finite Element Simulation of Inkjet Printed Flexible Parallel Plate MIM Capacitors on Polyimide Film" (Dr. Morshed and students)

Organizational News

- IUCRC Center for Cloud and Autonomic Computing at Texas Tech University has received NSF funding to be elevated to Phase II (Drs. Y. Chen, S. Mengel, T. Dang)
- The project entitled, "Intelligent Visual Analytics for Energy Aware Security of Advanced Manufacturing," (Dr. R. Hewett and team) has led TTU to be one of 25 partners of CYMANII (Cybersecurity Manufacturing Innovation Institute), a DOE sponsored institute led by UTSA and DOE's three national laboratories to address secure automation via secure intelligent efficiency.
- Ministry of Education Saudi Arabia provided grant to study physical unclonable functions as security primitive for security of resource constrained IoT devices (Dr. Y. Zhuang).

Student Numbers (Compared to last year)

845 (765) Undergraduate Student Enrollment	268 (161) Graduate Student Enrollment	167 (109) Undergraduate Degree Awarded	64 (24) Graduate Degree Awarded
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