



Prof. Yin Sun's Research Group Invites Ph.D. Applicants

Prof. Yin Sun's research group has several PhD positions in the areas of **Machine Learning** and **Networked Intelligent Systems**. We invite self-motivated Ph.D. applicants to join our group in Spring 2024 and Fall 2024.

Prof. Sun is the Bryghte D. and Patricia M. Godbold Associate Professor in the Department of Electrical and Computer Engineering at Auburn University, Alabama. He received his B.Eng. and Ph.D. degrees in Electronic Engineering from Tsinghua University, in 2006 and 2011, respectively. He was an Assistant Professor in the Department of Electrical and Computer Engineering at Auburn University from 2017-2023 and a Postdoctoral Scholar and Research Associate at the Ohio State University from 2011-2017. His research interests include Wireless Networks, Machine Learning, Semantic Communications, Age of Information, Information Theory, and Robotic Control. He is also interested in applying AI and Machine Learning techniques in Agricultural, Food, and Nutrition Sciences.

Prof. Sun has been an Associate Editor of the *IEEE Transactions on Network Science and Engineering*, an Editor of the *Journal of Communications and Networks*, an Editor of the *IEEE Transactions on Green Communications and Networking*, a Guest Editor of the *IEEE Journal on Selected Areas in Communications* for the special issue on "Age of Information in Real-time Systems and Networks," a Guest Editor of *Entropy* for the special issue on "Age of Information: Concept, Metric and Tool for Network Control," and a Guest Editor of *Frontiers in Communications and Networks* for the special issue on "Age of Information." He has served in the organizing committees of ACM MobiHoc 2019, 2021-2023, IEEE INFOCOM 2020-2021, IEEE/IFIP WiOpt 2020, IEEE WCNC 2021, and International Teletraffic Congress 2022 (ITC 34). He founded the Age of Information (AoI) Workshop in 2018, served as the General Chair and TPC Chair of the workshop in 2018-2019, and has been a steering committee member of the workshop since 2020. He founded the Modeling and Optimization in Semantic Communications (MOSC) Workshop in 2023. He is currently serving as a Guest Editor of the *IEEE Journal on Selected Areas in Information Theory* for the special issue on "The Role of Freshness and Semantic Measures in the Transmission of Information for Next Generation Networks."

His articles received the Best Student Paper Award of the IEEE/IFIP WiOpt 2013, Best Paper Award of the IEEE/IFIP WiOpt 2019, runner-up for the Best Paper Award of ACM MobiHoc 2020, and 2021 *Journal of Communications and Networks (JCN)* Best Paper Award. He co-authored a monograph *Age of Information: A New Metric for Information Freshness*, published by Morgan & Claypool Publishers in 2019. He received the Auburn Author Award of 2020 and the National Science Foundation (NSF) CAREER Award in 2023. He received the Godbold Professorship and was named a Ginn Faculty Achievement Fellow in 2023. He is a Senior Member of the IEEE and a Member of the ACM. His research is sponsored by the National Science Foundation, the Army Research Office, the Office of Naval Research, and the United States Department of Agriculture.

Auburn University was founded in 1856. It is one of the largest universities in the South and is a comprehensive land-, sea-, and space-grant institution, among the few that hold that distinction in the USA. With 25,734 undergraduate students, 4,706 graduate students, and 1,260 faculty members, Auburn is one of the two public flagship universities in Alabama. The Department of Electrical and Computer Engineering at Auburn University was established in 1891 and taught the first course in Electrical Engineering in the southern USA in 1892.

Auburn is geographically located in a moderate climate with easy access to both beach and mountain recreational facilities. Auburn has been ranked one of the best places to live, and life at Auburn University can be similarly enjoyable for students. Football is a particularly big attraction in the fall, as fans support the Auburn Tigers with the help of the much-loved school mascot Aubie the Tiger. Pep rallies are held in the downtown Toomer's Corner, and the area is covered in toilet paper by fans after every big victory. Auburn has produced six NASA astronauts in total, as well as three directors of the Kennedy Space Center. If you are interested, please send your CV, GPA, Transcript, English test scores, and other graduate application documents to Prof. Yin Sun yzs0078@auburn.edu.

Information about the application procedure can be found at
<http://eng.auburn.edu/ece/academics/graduate/index.html>
<https://eng.auburn.edu/ece/apply/>