



BOUNDARY-SPANNING SEMINAR SERIES

Machine Learning: An Introduction

Seminar by Dr. Chao Lan
University of Oklahoma



Abstract: Machine Learning enables a model to improve performance over observed data. While traditional learning techniques focus on improving model accuracy, many modern learning techniques try to incorporate ethical principles such as model fairness and data privacy. This presentation will briefly introduce machine learning and its ethical issues, and overview the presenter's research on ethical machine learning. The presenter,

as an alumnus of KU, will also share his career path and lessons.

Bio: Chao Lan is an assistant professor in the School of Computer Science at the University of Oklahoma (OU). He received his Ph.D. in computer science from the University of Kansas and joined the Department of Computer Science at the University of Wyoming as an assistant professor in 2017. He joined OU in 2020. His research covers machine learning, algorithmic ethics and anomaly detection. He is a recipient of the NSF CRII award in 2019.

9:00 a.m.
Tuesday
September 21, 2021

Join us by Zoom:

[https://kansas.zoom.us/j/93](https://kansas.zoom.us/j/93403833438)

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Seminar overview: this seminar series nurtures learning across academic boundaries. Expect rich conversations, spanning machine learning to catalysts, from lab bench to smokestack, with an eye toward protecting nature. Sponsoring units include: KU's Center for Environmentally Beneficial Catalysis (CEBC), the Internet of Catalysis National Science Foundation Research Traineeship (NRT), Information and Telecommunication Technology Center (ITTC), and the Departments of Chemistry, Chemical and Petroleum Engineering, and Electrical Engineering and Computer Science.

You belong here! We invite everyone from the KU community to join us for this inclusive seminar.