CSDS 500 and ECSE 500
Spring 2021 Colloquium

11:30AM to 12:30PM
Tuesday, February 23, 2021

Zoom Webinar ID: 998 2943 6376
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What matters in clinical informatics?

Abstract: Biomedical informatics have unique challenges and many existing methods do not meet the demands. Medical data are private and highly sensitive, posing significant challenges in data sharing. They are also highly sparse and heterogenous, which needs to carefully connected to build useful models. We also need to accommodate the time sensitive needs to balance the accuracy and early prediction considering model robustness/consistency to support real-time clinical decision support. In this talk, I will discuss about several unique aspects of biomedical informatics challenges and our initial efforts in tackling them.

Xiaoqian Jiang, PhD
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Bio: Dr. Jiang is Professor and the Director of Center for Secure Artificial Intelligence for Healthcare (SAFE) of School of Biomedical Informatics (SBMI) at UTHealth. He received rigorous training in machine learning and biomedical informatics from Carnegie Mellon University (Ph.D.) and UC San Diego (NLM K99), respectively. He is an expert in privacy-preserving data mining, federated learning, and knowledge/data co-teaching models. With more than 10 years of experiences in bringing these two worlds together, Dr. Jiang has constantly worked on developing novel application-driven AI models with a deep understanding of healthcare data (sparse, erroneous, missing, etc.) and incompleteness of the knowledge. His early work has received several best and distinguished paper awards from American Medical Informatics Association (AMIA) Joint Summits on Translational Science (2012, 2013, 2016).

This is to certify that _____attended this seminar. Certified by _____.
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