

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Zhihai He**

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University of Science and Technology)*

报告题目:

**Machine Learning for Smart
Cyber-Physical Systems**

邀请人: 优化与应用研究中心

报告时间: **2021 年 6 月 10 日 (周四)**

下午 15:00-16:00

报告地点: **数学院南楼**

219 教室

Abstract:

Cyber-physical sensing and informatics integrates smart hardware, cloud computing, machine intelligence to provide an infrastructure for collecting, analyzing, and managing scientific data of at large geographical and time scales. This enables a host of new research and development opportunities in a wide range of important applications, including smart city, eldercare, manufacturing, ecological and planet observation. In this talk, we will explain various aspects of research and design of smart cyber-physical systems with special focus on its machine learning methods.

Biography:

Zhihai He 何志海, Chair Professor, IEEE Fellow, Department of Electronic and Electrical Engineering, Southern University of Science and Technology. He received the M.S. degree from Institute of Computational Mathematics, Chinese Academy Sciences in 1997, and Ph.D. degree in electrical engineering from University of California, Santa Barbara, CA, in 2001. He worked in Sarnoff Corporation, Princeton, NJ from 2001-2003 as a research scientist. In 2003, he joined the Department of Electrical and Computer Engineering, University of Missouri, Columbia, and later became the Robert Lee Tatum Distinguished Professor. In 2021, he joined the Southern University of Science and Technologies. He received the 2002 IEEE Transactions on Circuits and Systems for Video Technology Best Paper Award and the SPIE VCIP Young Investigator Award in 2004. He became an IEEE Fellow in 2015. He served as an Associate Editor for IEEE Transactions on Circuits and Systems for Video Technology, IEEE Transactions on Multimedia, and Journal of Visual Communication and Image Representation, and as technical committee members on various international conferences.

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