学术报告会

国际学术大师系列讲座

Prof. Stephen Boyd
IEEE/IFAC Fellow, Stanford University

地点：电院群楼3-200会议室

时间：13:30-15:00

11月6日(周三): Convex Optimization—From Real-Time Embedded to Large-Scale Distributed

11月7日(周四): Distributed Optimization and Statistical Learning

11月11日(周一): Dynamic Network Energy Management via Proximal Message Passing

11月12日(周二): Performance Bounds and Suboptimal Policies for Multi-Period Investment

Biography:

Stephen Boyd is the Samsung Professor of Engineering, Professor of Electrical Engineering, Professor (by courtesy) of Computer Science and Professor (by courtesy) of Management Science and Engineering, at Stanford University. He received the A.B. degree in Mathematics from Harvard University in 1980, and the Ph.D. in Electrical Engineering and Computer Science from the University of California, Berkeley, in 1985, and then joined the faculty at Stanford. His current research focus is on convex optimization applications in control, signal processing, and circuit design. He has received many awards and honors for his research in control systems engineering and optimization, including an ONR Young Investigator Award, a Presidential Young Investigator Award, and the AACC Donald P. Eckman Award, the IEEE Control Systems Award, and the Mathematical Optimization Society's Beale-Orchard-Hays Award. He is a Fellow of the IEEE, and a Distinguished Lecturer of the IEEE Control Systems Society. He has been invited to deliver more than 60 plenary and keynote lectures at major conferences in control, optimization, and machine learning.

Abstract:

Convex optimization has emerged as useful tool for applications that include data analysis and model fitting, resource allocation, engineering design, network design and optimization, finance, and control and signal processing. This series of four talks will start with an overview lecture; the remaining three talks will cover several recent advances: real-time embedded convex optimization and code generation, distributed convex optimization, and applications to dynamic energy management.