

International Workshop on Nonlinear and Distributed Control

非线性与分布式控制国际研讨会

Program/会议程序

09:00-09:15: Opening Ceremony

1 June, 2017 (Thursday), Morning, Juxian Room (2nd Floor), NEU International Hotel
2017年6月1日(星期四), 上午, 东北大学国际学术交流中心, 二楼聚贤厅

ThA-1: 09:15-09:45

PID Controller Design for Second Order Nonlinear Uncertain Systems

Speaker: **Lei Guo** (AMSS, Chinese Academy of Sciences)

ThA-2: 09:45-10:15

Control of Distributed Systems with Unknown Interconnections and Communication Delays

Speaker: **Petros Ioannou** (University of Southern California, U.S.A.)

10:15-10:30: Tea Break (Group Photo)

ThA-3: 10:30-11:00

Output Regulation of Heterogeneous Multi-agent Systems: Geometry and Unified Design Approach

Speaker: **Frank Lewis** (University of Texas at Arlington, U.S.A.)

ThA-4: 11:00-11:30

Cooperative Output Regulation of Nonlinear Multi-Agent Systems

Speaker: **Lu Liu** (City University of Hong Kong)

ThA-5: 11:30-12:00

Distributed Resource Allocation of Continuous-Time Multi-Agent Systems

Speaker: **Yiguang Hong** (AMSS, Chinese Academy of Sciences)

Lunch Buffet, 12:00-14:00, Coffee Shop (1st Floor)

自助午餐, 12:00-14:00, 一楼咖啡厅

1 June, 2017 (Thursday), Afternoon, Juxian Room (2nd Floor), NEU International Hotel
2017年6月1日(星期四), 下午, 东北大学国际学术交流中心, 二楼聚贤厅

ThP-1: 14:00-14:30

Game Theoretic Control - A Distributed Optimization/Control

Speaker: **Daizhan Cheng** (AMSS, Chinese Academy of Sciences)

ThP-2: 14:30-15:00

Distributed Cooperative Fault Detection for Multi-Agent Systems: A Mixed H_∞/H_2 Optimization Approach

Speaker: **Jie Chen** (Beijing Institute of Technology)

ThP-3: 15:00-15:30

Robust Semi-Global Leaderless Consensus and Containment Control of Identical Linear Systems with Imperfect Actuators

Speaker: **Zongli Lin** (Virginia University, U.S.A.)

15:30-15:40: Tea Break

ThP-4: 15:40-16:10

Consensus of Single Integrator Multi-Agent Systems with Unbounded Transmission Delays

Speaker: **Gang Feng** (City University of Hong Kong)

ThP-5: 16:10-16:40

An Internal Model Based Output Feedback Control for Nonlinear Multi-Agent Systems

Speaker: **Youfeng Su** (Fuzhou University)

2 June, 2017 (Friday), Morning, Juxian Room (2nd Floor), NEU International Hotel
2017年6月2日(星期五), 上午, 东北大学国际学术交流中心, 二楼聚贤厅

FrA-1: 09:00-09:30

Input-to-State Stability and Small Gain Theorems for Networks of Parabolic PDEs

Speaker: **Miroslav Krstic** (University of California, San Diego, U.S.A.)

FrA-2: 09:30-10:00

Robust Event-Triggered Control of Nonlinear Systems

Speaker: **Tengfei Liu** (Northeastern University)

FrA-3: 10:00-10:30

Nonlinear Modeling and Control of a Tail-Sitter Hybrid Unmanned Aerial Vehicle

Speaker: **Ben M. Chen** (National University of Singapore)

10:30-10:40: Tea Break

FrA-4: 10:40-11:10

Integrated Cooperative Localization and Control of Multi-UAV Systems

Speaker: **Lihua Xie** (Nanyang Technological University, Singapore)

FrA-5: 11:10-11:40

Distributed Illumination Control of Lighting Control Systems as a Consensus Problem

Speaker: **Xiaohua Xia** (University of Pretoria, South Africa.)

Lunch Buffet, 12:00-14:00, Coffee Shop (1st Floor)

自助午餐, 12:00-14:00, 一楼咖啡厅

Laboratory Tour and Free Discussion /实验室参观与自由讨论

14:00-16:00, 2 June, 2017 (Friday), Afternoon