

IEEE 控制系统北京分会



2014 Workshop on Distributed Coordinated Control of Dynamic Multi-Agent Systems

Sponsored by

National Natural Science Foundation of China IEEE CSS Beijing Chapter Beijing Institute of Technology

Organized by

State Key Laboratory of Intelligent Control and Decision of Complex Systems School of Automation, Beijing Institute of Technology Beijing Key Laboratory of Automatic Control Systems

Chair: Jie Chen, Wei Ren Date: July 23-25, 2014

Location: Room 101, Postgraduate Building, Beijing Institute of Technology

2014 Workshop on Distributed Coordinated Control of Dynamic Multi-Agent Systems will be held on July 23-25 2014, at Beijing Institute of Technology, Beijing, China. The workshop will provide a forum for exchanging ideas, discussing frontiers and emerging advances related to Distributed Coordinated Control of Dynamic Multi-Agent Systems. The goal of this workshop is to bring together leading researchers and students who are working on or are interested in exploring novel approaches and innovative applications of multi-agent systems, facilitating personal interactions and discussions on various aspects of multi-agent systems. Flocking, formation, swarming, consensus, and communication of MAS are all within the scope of the workshop.

The workshop has been held for two years and attracts more and more researchers' attention. The workshop is free of charge and open for everyone interested. You and your colleagues are all warmly welcome. Free lunch and dinner are provided for all participants. We are looking forward to your attendance and will appreciate it if you could circulate this message to your members.

AGENDA (Tentative)

	D 14 4						
	Registration						
15:00-18:00	Location: Room 101, Postgraduate Building, Beijing Institute of Technology						
July 23							
08:00-11:00	Location: Room 101, Postgraduate Building, Beijing Institute of Technology						
July 24							
	Opening Ceremony						
8:30-8:45,	Jie Chen (Beijing Institute of Technology)						
July 24							
	Session 1 Chair: Jie Chen Co-Chair: Zhong-Ping Jiang						
8:45-9:45	Zhong-Ping Jiang (Polytechnic Institute of NYU)						
	Cooperative Output-Feedback Control of Nonlinear Multi-agent Systems						
9:45-10:45	Daizhan Cheng (Institute of Systems Science, AMSS)						
	Potential Game of Multi-Agent Systems and its Applications						
10:45-11:00	Tea Break						
11:00-12:00	Jifeng Zhang (Institute of Systems Science, AMSS)						
	Quantized Data-Based Distributed Consensus of Multi-Agent Systems						
12:00-13:00	Lunch						
	Session 2 Chair: Lihua Xie Co-Chair: Ben M Chen						
13:30-14:30	Ben M Chen (National University of Singapore)						
	Navigation and Control of Unmanned Aerial Vehicles in GPS-Denied						
	Environments						
14:30-15:30	Gary Feng (City University of Hong Kong)						
	Output Consensus of Heterogeneous Linear Multi-agent Systems by						
	Event-Triggered control						
15:30-15:45	Tea Break						
15:45-16:45	Lihua Xie (Nanyang Technological University)						
13:43-10:43	Distributed Constrained Optimal Control of Multi-agent Systems with						
	Application						
16:45-17:45	Yiguang Hong (Institute of Systems Science, AMSS)						
_00 11.10	Distributed control and optimization based on internal model						
	Session3 Chair: Wei Ren Co-Chair: Jie Huang						
8:30-9:30	Zongli Lin (Univ. of Virginia)						
July 25	Semi-Global Leader-Following Consensus of Multiple Linear Systems with						
July 23	Position and Rate Limited Actuators						
9:30-10:30	Jie Huang (Chinese University of Hong Kong)						
	Distributed Adaptive Attitude Control of Multiple Spacecraft Systems						
10.20 10.45	1 2 2 2						
10:30-10:45	Tea Break						

10:45-11:45	Wei Ren (University of California, Riverside)					
	Distributed Coordination of Networked Euler-Lagrange Systems					
11:45-12:00	Jie Chen (Beijing Institute of Technology)					
	Closing and evaluation					
12:00-13:00	Lunch					
Free Discussion Seminar						
13:30-16:30	Free discussion seminar					

Contact: Workshop Secretariat

Hao Fang (方浩) 010-68912463 / 13126693283 <u>fangh@bit.edu.cn</u>

Zhihong Peng (彭志红) 010-68912464/13910437979 peng@bit.edu.cn

Jian Sun (孙健) 010-68912464/13581767825 <u>sunjian@bit.edu.cn</u>

Bin Xin (辛斌) 010-68912463/13691577572 <u>brucebin@bit.edu.cn</u>

Jia Zhang (张佳) 010-68912463/ 13641293589 <u>zhangjia@bit.edu.cn</u>

Web: http://pris.bit.edu.cn/

会议回执

姓 名	职 称	邮箱	单 位	抵京时间	离京时间	联系电话	备注

(Send an e-mail to: fangh@bit.edu.cn; sunjian@bit.edu.cn)

填写回执注册人员免费提供午餐,晚餐