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Technical Program for Tuesday Sep 3, 2013

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Co-Chair: Wang, Han	Nanyang Tech. Univ.
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Zhou, Lu-Bing	Nanyang Tech. Univ.
Wang, Han	Nanyang Tech. Univ.
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<i>High Range Resolution Profiling of Moving Targets Via Compressive Sensing in Stepped Frequency Radar</i> , pp. 7-11.	
Li, Dong	xidian Univ.
Guisheng, Liao	xidian Univ.
Wang, Wei	National Lab. of Radar Signal Processing, Xidian Univ.
Xu, Qing	National Lab. of Radar Signal Processing, Xidian Univ.
Zhang, Xuepan	Xidian Univ.
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Ding, Zhiguo	Shanghai Univ.
Fei, Minrui	Shanghai Univ.
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Hao, Jiasheng	Univ. of Electronic Science and Tech. of China
Chen, Hua	Univ. of Electronic Science and Tech. of China
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Kotov, Konstantin	Inst. of Automation and Electrometry SB RAS
Sobolev, Maxim	Inst. of Automation and Electrometry, Siberian Branch of the
Maltsev, Alexandr	Inst. of Automation and Electrometry SB RAS
TuAp2Po	Room V804, 2nd Floor
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Chair: Yang, Zhenyu	Aalborg Univ.
Co-Chair: Yu, Sijia	Univ. of Electronic Science and Tech. of China
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Lin, Weiguo	Beijing Univ. of Chemical Tech.
Jiang, Lingling	Beijing Univ. of Chemical Tech.
Wu, Haiyan	Beijing Univ. of Chemical Tech.
-	TuAp2Po.2
<i>H-Infinity Estimation of Eddy Currents in a Tokamak</i> , pp. 33-38.	
Mattei, Massimiliano	Second Univ. of Naples
Pironti, Alfredo	Univ. degli Studi di Napoli Federico II
Ambrosino, Roberto	Univ. di Napoli Parthenope
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Sun, Xiaoming	Beihang Univ.
Ge, Shuzhi Sam	National Univ. of Singapore
Zhang, Jun	Beihang Univ.
Cao, Xianbin	Beihang Univ.
15:30-17:00	TuAp2Po.4

<i>Plant-Wide Control for Better De-Oiling of Produced Water in Offshore Oil & Gas Production</i> , pp. 45-50.		
Yang, Zhenyu		Aalborg Univ.
Stigkær, Jens Peter		Maersk Oil A/S
Løhdorf, Bo		Rambøll Oil & Gas A/S
15:30-17:00		TuAp2Po.5
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Zhang, Shuang		National Univ. of Singapore
Xiao, Shengtao		National Univ. of Singapore
Ge, Weiliang		Univ. of Electronic Science and Tech. of China
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Chen, Bo		dalian Univ.
Sun, Yujie		Dalian Univ.
Wang, Yunming		Nanjing Univ. of Science and Tech.
Du, Xiuli		Dalian Univ.
Li, Xiao		Dalian Univ.
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Yuan, Xinxing		School of Electrical and Electronics Engineering, Hubei Univ.
Wen, Peng		Faculty of Engineering and Surveying, Univ. of Southern Que
Fu, Bo		School of Electrical and Electronics Engineering, Hubei Univ.
Zhang, Min		School of Electrical and Electronics Engineering, Hubei Univ.
Fan, Xiuxiang		Hubei Univ. of Tech.
15:30-17:00		TuAp2Po.8
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Huang, Deqing		Imperial Coll. London
Li, Xuefang		National Univ. of Singapore
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He, Wei		Univ. of Electronic Science and Tech. of China (UESTC)
Xiao, Shengtao		National Univ. of Singapore
Yu, Sijia		Univ. of Electronic Science and Tech. of China
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Zheng, Hong		Univ. of Electronic Science and Tech. of China
Wang, Bo		Univ. of Electronic Science and Tech. of China
Luo, Wuqiao		Univ. of Electronic Science and Tech. of China
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Tang, Longwei		Univ. of Electronic Science and Tech. of China
Wang, Gang		Univ. of Electronic Science and Tech. of China
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Gao, Xiaoling		Chengdu Normal Univ.
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Liu, Xiaoli		Zhejiang Provincial Testing Inst. of Electronic & Informatio
Guisheng, Llao		xidian Univ.

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Chair: Liu, Peter X.	Carleton Univ.

Co-Chair: Hu, Jiangping	Univ. of Electronic Science and Tech. of China
-	TuAi3Or_In.1
<i>A Stochastic Security Game for Kalman Filtering in Networked Control Systems under Denial of Service (DoS) Attacks (I)</i> , pp. 101-106.	
Liu, Shichao	Carleton Univ.
Liu, Peter X.	Carleton Univ.
El Saddik, Abdulmotaleb	Univ. of Ottawa
-	TuAi3Or_In.2
<i>Robust Stochastic Control for Networked Bilateral Teleoperation Systems (I)</i> , pp. 107-112.	
Li, Jianning	Zhejiang Univ.
Pan, Ya-Jun	Dalhousie Univ.
Hilliard, Trent	Dalhousie Univ.
Su, Hongye	Zhejiang Univ.
-	TuAi3Or_In.3
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Wang, Jiankui	Tianjin Univ.
Fu, Jiankuan	School of Electrical Engineering & Automation, Tianjin Univ.
Zhang, Guoshan	Tianjin Univ.
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Xu, Bingbing	Wenzhou Univ.
Li, Junwei	Wenzhou Univ.
Gao, Lixin	Wenzhou Univ.
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<i>Robust Consensus Tracking Control of a Second-Order Leader-Follower Multi-Agent System (I)</i> , pp. 125-130.	
Hu, Jiangping	Univ. of Electronic Science and Tech. of China
Xiao, ZaiHu	Univ. of Electronic Science and Tech. of China
Zhou, Yulong	Univ. of Electronic Science and Tech. of China
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Wen, Guanghui	Southeast Univ.
Duan, Zhisheng	Peking Univ.
Yu, Wenwu	Southeast Univ.
Chen, Guanrong	City Univ. of Hong Kong
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Jiangbo, Zhang	Acad. of Mathematics and Systems Sciences, Chinese Acad. of
Hong, Yiguang	Chinese Acad. of Sciences
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Chair: Chen, Weisheng	Xidian Univ.
Co-Chair: Li, Jing	Xidian Univ.
-	TuAi4Or_In.1
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Wu, Jian	Xidian Univ.
Chen, Weisheng	Xidian Univ.
Li, Jing	Xidian Univ.
-	TuAi4Or_In.2
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Bu, Xuhui	Henan Pol. Univ.
-	TuAi4Or_In.3
<i>Stable Direct Adaptive Neural Control of an Electrically Driven Dual-Axis Motion Platform Using Backstepping Technique (I)</i> , pp. 154-159.	
Elkotesly, Yasser	Xidian Univ.

Yang, Shuyuan	Xidian Univ.
Jiao, Licheng	Xidian Univ.
-	TuAi4Or_In.4
<i>Simplified Adaptive Fuzzy Decentralized Control for Uncertain Large-Scale Nonlinear Delayed Systems (I)</i> , pp. 160-165.	
Guo, Tao	Anyang Normal Univ. AnYang
Wu, Xiaowei	School of Automotive Engineering, Henan Vocational and Tech.
15:30-17:00	TuAi4Or_In.5
<i>Adaptive Neural Network Control for Continuous Stirred Tank Reactor Process (I)</i> , pp. 166-170.	
Li, Dong-Juan	Liaoning Univ. of Tech.
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Chair: Yi, Jianqiang	Inst. of Automation, Chinese Acad. of Sciences
Co-Chair: Li, Zhijun	Shanghai Jiao Tong Univ.
-	TuAr2Or_Re.1
<i>Passivity Control of Induction Motors Based on Adaptive Observer Design</i> , pp. 171-176.	
Liu, Yanhong	Zhengzhou Univ.
Yanxing, Liu	Zhengzhou Univ.
Chu, Bing	Univ. of Southampton
Li, Jianyong	Zhengzhou Univ. of Light Industry
Haijuan, Huo	Zhengzhou Univ.
-	TuAr2Or_Re.2
<i>Robust Trajectory Linearization Control of Hypersonic Entry Flight Using Extended State Observer and Time-Varying Bandwidth</i> , pp. 177-182.	
Pu, Zhiqiang	Inst. of Automation, Chinese Acad. of Sciences
Fan, Guoliang	Inst. of Automation, Chinese Acad. of Science
Tan, Xiangmin	Inst. of Automation, Chinese Acad. of Sciences
Yi, Jianqiang	Inst. of Automation, Chinese Acad. of Sciences
-	TuAr2Or_Re.3
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Robles, Ruben	Sonora Inst. of Tech.
Angulo, Sara	Sonora Inst. of Tech.
Tapia, Alan	Sonora Inst. of Tech.
Bernal, Miguel	Sonora Inst. of Tech.
Márquez, Raymundo	Sonora Inst. of Tech.
-	TuAr2Or_Re.4
<i>Output Feedback Control of a Class of MIMO Uncertain Nonlinear Systems</i> , pp. 189-193.	
Chen, Zhenfeng	Guangdong Univ. of Tech.
Zhang, Yun	Guangdong Univ. of Tech.
Yang, Lingling	Guangdong Univ. of Tech.
Zeng, Qijie	Guangdong Univ. of Tech.
Liu, Zhi	Guangdong Univ. of Tech.
-	TuAr2Or_Re.5
<i>Dynamical Balance Optimization and Control of Quadraped Robots under Perturbing External Force</i> , pp. 194-200.	
Li, Zhijun	Shanghai Jiao Tong Univ.
Yu, Sijia	UESTC
Liu, Si Bang	UESTC
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Ma, Jianjun	National Univ. of Defense Tech.
Guo, Hongwu	National Univ. of Defense Tech.
Li, Peng	National Univ. of Defense Tech.
Geng, Lina	National Univ. of Defense Tech.

TuAp1Po		Room V804, 2nd Floor
Nonlinear Control, Signal Processing and Applications I ()		
Chair: Han, Thanh-Trung	Univ. of Electronic Science and Tech. of China	
Co-Chair: Wang, Gang	Univ. of Electronic Science and Tech. of China	
-	TuAp1Po.1	
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Lv, Yini	Beijing Inst. of Tech.	
Ma, Hongbin	Beijing Inst. of Tech.	
Yang, Chenguang	Univ. of Plymouth	
Fu, Mengyin	Beijing Inst. of Tech.	
-	TuAp1Po.2	
<i>Dynamics and Terminal Sliding Mode Control of Two-Link Flexible Manipulators with Noncollocated Feedback</i> , pp. 213-218.		
Yang, Xinxin	Beihang Univ.	
Zhong, Zhen	Beihang Univ.	
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He, Wei	Univ. of Electronic Science and Tech. of China (UESTC)	
Deng, Dan	Univ. of Electronic Science and Tech. of China	
Tang, Zhong-Liang	Univ. of Electronic Science and Tech. of China	
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Cao, Xiaowen	The Second Res. Inst. of CAAC	
Zhang, Yong	The Second Res. Inst. of CAAC	
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Chen, Long	UESTC	
Wang, Gang	Univ. of Electronic Science and Tech. of China	
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Li, Xiaomei	Univ. of Electronic Science and Tech. of China	
Han, Thanh-Trung	Univ. of Electronic Science and Tech. of China	
Ge, Shuzhi Sam	National Univ. of Singapore	
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He, Wei	Univ. of Electronic Science and Tech. of China (UESTC)	
Ma, Tianzhao	Univ. of Electronic Science and Tech. of China (UESTC)	
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Zhou, Hong	The Quartermaster Res. Inst. of the General Logistics De	
Zhu, Jia-Yuan	UESTC	
Guo, Qing	Univ. of Electronic Science and Tech. of China	
Zhang, Xianggang	Univ. of electronic science and Tech. of china	
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Wang, Fei	Univ. of Electronic Science and Tech. of China, Chengd	
Han, Thanh-Trung	Univ. of Electronic Science and Tech. of China	
Ge, Shuzhi Sam	National Univ. of Singapore	
Yu, Sijia	Univ. of Electronic Science and Tech. of China	
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Jiang, Xu	Northeastern Univ.	
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Nguyen Duy, Cuong	Univ.
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Tran, Trong-Toan	Univ. of Electronic Science and Tech. of China, Chengd
Han, Thanh-Trung	Univ. of Electronic Science and Tech. of China
Ge, Shuzhi Sam	National Univ. of Singapore
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Zhang, Xianggang	Univ. of electronic science and Tech. of china
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Zhang, Chuanlin	Southeast Univ.
Jia, Ruting	Univ. of Texas at San Antonio
Qian, Chunjiang	Univ. of Texas at San Antonio
Li, Shihua	Southeast Univ.
TuAi1Or_In	Room V801, 1st Floor
Networked Systems I (Invited Session)	
Chair: Cheng, Peng	Zhejiang Univ.
Co-Chair: Shi, Ling	Hong Kong Univ. of Science and Tech.
-	TuAi1Or_In.1
<i>Output Feedback Stabilization of Networked Control Systems with Uncertain Transition Probability Matrix (I)</i> , pp. 287-292.	
Qiu, Li	Shenzhen Univ.
Zhong, Xiaopin	Shenzhen Univ.
Li, Shanbin	South China Univ. of Tech.
Xu, Bugong	South China Univ. of Tech.
-	TuAi1Or_In.2
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Song, Haiyu	Zhejiang Univ. of Tech.
Yu, Li	Zhejiang Univ. of Tech.
Zhang, Wen-An	Zhejiang Univ. of Tech.
Chen, Bo	Zhejiang Univ. of Tech.
-	TuAi1Or_In.3
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Ge, Quanbo	Hangzhou Dianzi Univ.
Wen, Chenglin	Hangzhou Dianzi Univ.
Chen, Shaodong	Luoyang Inst. of Electro Optical Equipment of AVIC
13:30-15:00	TuAi1Or_In.4
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Ye, Fei	Zhejiang Univ.
Yang, Qinmin	Zhejiang Univ.
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Liu, Longqing	South China Univ. of Tech.
Xu, Bugong	South China Univ. of Tech.
Mo, Lei	South China Univ. of Tech.
You, Xiaoping	Xiamen Univ. Tan Kah Kee Coll.
13:30-15:00	TuAi1Or_In.6
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Wu, Jian	Univ. of Victoria
Shi, Yang	Univ. of Victoria
Mu, Bingxian	Univ. of Victoira
Li, Huxiong	Wenzhou Univ.

Li, Wenbai	Wenzhou Univ.
13:30-15:00	TuAi1Or_In.7
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Xiang, Xianbo	Huazhong Univ. of Science and Tech.

TuAi2Or_In	Room V802, 1st Floor
Advances in Brain Machine Interfaces (Invited Session)	

Chair: Zheng, Xiaoxiang	Zhejiang Univ.
Co-Chair: Wang, Yiwen	Zhejiang Univ.

-	TuAi2Or_In.1
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<i>Human Demonstration Trajectory Refinement for Redundant Manipulators (I)</i> , pp. 328-333.	
Shen, Longbin	zhejiang Univ.
Xiong, Rong	zhejiang Univ.
Chu, Jian	Zhejiang Univ.

-	TuAi2Or_In.2
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<i>BCI Channel Selection in Chronic Stroke Rehabilitation (I)</i> , pp. 334-339.	
Tam, Wingkin	Hong Kong Pol. Univ.
Hu, Xiaoling	Hong Kong Pol. Univ.
Tong, Kaiyu	Interdisciplinary Div. of Biomedical Engineering, Hong Kong

-	TuAi2Or_In.3
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<i>A Shared Control Policy for Center-Out Movement Decoding in Motor Brain-Machine Interface (I)</i> , pp. 340-343.	
Chen, Xi	Zhejiang Univ.
Liao, Yuxi	zhejiang Univ.
Wang, Yiwen	Zhejiang Univ.
Zhang, Shaomin	Zhejiang Univ.
Zhang, Qiaosheng	Zhejiang Univ.
Zheng, Xiaoxiang	Zhejiang Univ.

-	TuAi2Or_In.4
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<i>Fast GPU Algorithm for Analyzing Effective Connectivity in Functional Brain Imaging (I)</i> , pp. 344-347.	
Chan, Wing Chi, Lawrence	Hong Kong Pol. Univ.
Pang, Bin	Univ. of Missouri, Columbia
Shyu, Chi-Ren	Univ. of Missouri, Columbia
Chan, Tao	Univ. of Hong Kong
Khong, Pek-Lan	Univ. of Hong Kong

Technical Program for Wednesday Sep 4, 2013

WeMi1Or_In	Room V801, 1st Floor
Quantum Control and Quantum Information (Invited Session)	
Chair: Wu, Re-bing	Department of Automation, Tsinghua Univ.
Co-Chair: Ge, Shuzhi Sam	National Univ. of Singapore
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Wang, Yuanlong	Zhejiang Univ.
Chen, Chunlin	Nanjing Univ.
Dong, Daoyi	Univ. of New South Wales at the Australian Defence Force Academy
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Zhang, Tian-Ming	Tsinghua Univ.
Wu, Re-bing	Department of Automation, Tsinghua Univ.
08:30-10:00	WeMi1Or_In.3
<i>Modeling and Analysis of Non-Markovian Open Quantum Systems for Coherent Feedback (I)</i> , pp. 360-365.	
Xue, Shi-Bei	Tsinghua Univ.
Wu, Re-bing	Department of Automation, Tsinghua Univ.
Tarn, Tzyh Jong	Washington Univ. in St. Louis
08:30-10:00	WeMi1Or_In.4
<i>Two-Stage General Protocol for Remote Preparation of Multi-Qubit States (I)</i> , pp. 366-371.	
Li, Shuwen	Soochow Univ.
Min, Jiang	Suzhou Univ.
Min, Wan	Zhenjiang watercraft Coll.
Xu, Huang	Soochow Univ.
08:30-10:00	WeMi1Or_In.5
<i>A Linearization Approach in Quantum Decoherence Systems for Compressive Sensing (I)</i> , pp. 372-376.	
Wang, Yaoxiong	Chinese Acad. of Sciences
Gao, Fang	Inst. of Intelligent Machines, Chinese Acad. of Sciences
Tang, Xubing	School of Mathematics & Physics, Anhui Univ. of Tech.
Shuang, Feng	Chinese Acad. of Sciences
WeAr1Or_Re	Room V802, 1st Floor
Intelligent Control Theory and Applications III (Regular Session)	
Chair: Ruano, Antonio	Univ. of Algarve
Co-Chair: Ren, Xuemei	Beijing Inst. of Tech.
-	WeAr1Or_Re.1
<i>Neural Network-Based Sliding Mode Control for Dual-Motor Servo Systems</i> , pp. 377-381.	
Zhao, Wei	Beijing Inst. of Tech.
Ren, Xuemei	Beijing Inst. of Tech.
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<i>A Fuzzy-Based Speed Control of Direct Current Motor Using Combined Armature Voltage and Field Current</i> , pp. 382-387.	
Abdulkadir, Abubakar Sadiq	abubakar tafawa balewa Univ. bauchi
Bakare, Ayinde, Ganiyu	abubakar tafawa balewa Univ. bauchi
Anene, C, Ejike	abubakar tafawa balewa Univ. bauchi
Hassan, Mamman, Buhari	abubakar tafawa balewa Univ. bauchi
13:30-15:00	WeAr1Or_Re.3
<i>Creating Sparse Rational Approximations for Linear Fractional Representations Using Genetic Programming</i> , pp. 388-393.	
Hardier, Georges	ONERA
Roos, Clément	ONERA / DCSD
Seren, Cédric	ONERA The French Aerospace Lab.
13:30-15:00	WeAr1Or_Re.4

Creating Sparse Rational Approximations for Linear Fractional Representations Using Surrogate Modeling, pp. 394-399.

Hardier, Georges ONERA
Roos, Clément ONERA / DCSD
Seren, Cédric ONERA The French Aerospace Lab.

13:30-15:00 WeAr1Or_Re.5

A Support Vector Machine Seismic Detector for Early-Warning Applications, pp. 400-405.

Ruano, Antonio Univ. of Algarve
Machado Matos Madureira, Guilherme Henrique Inst. Portugues do Mar e da Atmosfera
Barros, Ozias Univ. of Algarve
Khosravani, Hamid Reza Univ. of Algarve
Ruano, Maria da Graça Univ. of Algarve
Ferreira, Pedro M. Univ. of Lisbon

13:30-15:00 WeAr1Or_Re.6

Forecasting the Portuguese Electricity Consumption Using Least-Squares Support Vector Machines, pp. 406-411.

Ferreira, Pedro M. Univ. of Lisbon
Cuambe, Isaura Denise Univ. do Algarve
Ruano, Antonio Univ. of Algarve
Pestana, Rui REN - Rede Eléctrica Nacional, S.A.

WeAr2Or_Re Room V803, 2nd Floor

Intelligent Systems, Manufacturing and Emerging Area I (Regular Session)

Chair: Guerra, Thierry Marie Univ. of Valenciennes Hainaut-Cambresis
Co-Chair: Li, Shaoyuan Shanghai Jiao Tong Univ.

- WeAr2Or_Re.1

Towards Large Time Simulation Reduction for the Solving of Mechanical Contact (large Scale) Problems: A Robust Control Approach, pp. 412-417.

Gonzalez, Antonio Univ. of Valenciennes Hainaut-Cambresis
Lauber, Jimmy Univ. of Valenciennes
Guerra, Thierry Marie Univ. of Valenciennes Hainaut-Cambresis
Massa, Franck Univ. de Valenciennes et du Hainaut Cambresis, LAMIH Lab.
Tison, Thierry Univ. de Valenciennes et du Hainaut Cambresis

- WeAr2Or_Re.2

Control of Single-Phase CHB Grid-Connected Photovoltaic under Non-Uniform Irradiation Conditions, pp. 418-423.

Ma, Chao Shanghai Jiao Tong Univ.
Li, Ning Shanghai Jiao Tong Univ.
Li, Shaoyuan Shanghai Jiao Tong Univ.

13:30-15:00 WeAr2Or_Re.3

Standing Balance Control for Position Control-Based Humanoid Robot, pp. 424-431.

Wang, Yaliang Zhejiang Univ.
Zhu, Qiuguo Zhejiang Univ.
Xiong, Rong zhejiang Univ.
Chu, Jian Zhejiang Univ.

13:30-15:00 WeAr2Or_Re.4

Absolute Stability of 3-DOF Bilateral Haptic Systems, pp. 432-437.

Li, Jian Univ. of Electronic Science and Tech. of China
Tavakoli, Mahdi Univ. of Alberta
Huang, Qi Univ. of Electronic Science and Tech. of China

13:30-15:00 WeAr2Or_Re.5

3-DOF Trilateral Teleoperation Using a Pair of 1-DOF and 2-DOF Haptic Devices: Stability Analysis, pp. 438-443.

Li, Jian Univ. of Electronic Science and Tech. of China
Tavakoli, Mahdi Univ. of Alberta
Huang, Qi Univ. of Electronic Science and Tech. of China

13:30-15:00 WeAr2Or_Re.6

Tangent Barrier Lyapunov Functions for the Control of Output-Constrained Nonlinear Systems, pp. 444-450.

Tang, Zhong-Liang
Tee, Keng Peng
He, Wei

Univ. of Electronic Science and Tech. of China
Inst. for Infocomm Res.
Univ. of Electronic Science and Tech. of China (UESTC)

WeAi2Or_In	Room V801, 1st Floor
Recent Results in Control and Observation Using Takagi-Sugeno Fuzzy Models (Invited Session)	
Chair: Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
Co-Chair: Kruszewski, Alexandre	Ec. Centrale de Lille
15:30-17:00	WeAi2Or_In.1
<i>Fault Prognosis Approach for Satellite Attitude Control System Based on T-S Model and Time Series Analysis (I)</i> , pp. 451-456.	
Song, Hua	Beihang Univ.
Zhang, Yi	1 School of Automation Science and Electrical Engineering, Beiji
Zhang, Maolin	School of Automation Science and Electrical Engineering, Beijing
Shen, Jingjing	School of Automation Science and Electrical Engineering, Beijing
15:30-17:00	WeAi2Or_In.2
<i>Inescapable-Set Estimation for Nonlinear Systems with Non-Vanishing Disturbances (I)</i> , pp. 457-462.	
Pitarch, Jose Luis	Univ. Pol. de Valencia
Sala, Antonio	Univ. Pol. de Valencia
Bedate, Fernando	Univ. Jaume I
Ariño, Carlos	Univ. Jaume I
15:30-17:00	WeAi2Or_In.3
<i>Stability Analysis of Switching TS Models Using K-Samples Approach (I)</i> , pp. 463-467.	
Lendek, Zsofia	Tech. Univ. of Cluj-Napoca
Lauber, Jimmy	Univ. of Valenciennes
Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
Raica, Paula	Tech. Univ. of Cluj-Napoca
15:30-17:00	WeAi2Or_In.4
<i>Improvements on Non-Quadratic Stabilization of Takagi-Sugeno Models Via Line-Integral Lyapunov Functions (I)</i> , pp. 468-473.	
Márquez, Raymundo	Sonora Inst. of Tech.
Guerra, Thierry Marie	Univ. of Valenciennes Hainaut-Cambresis
Kruszewski, Alexandre	Ec. Centrale de Lille
Bernal, Miguel	Sonora Inst. of Tech.
15:30-17:00	WeAi2Or_In.5
<i>Fuzzy Modeling and Design for a 3D Crane (I)</i> , pp. 474-479.	
Petrehus, Paul	Tech. Univ. of Cluj-Napoca
Lendek, Zsofia	Tech. Univ. of Cluj-Napoca
Raica, Paula	Tech. Univ. of Cluj-Napoca
15:30-17:00	WeAi2Or_In.6
<i>Robust H Infinity Stabilization of Uncertain T-S Fuzzy Systems Via Dynamic Integral Sliding Mode Control (I)</i> , pp. 480-485.	
Gao, Qing	City Univ. of Hong Kong
Huang, He	Soochow Univ.
Feng, Gang	City Univ. of Hong Kong
Liu, Lu	City Univ. of Hong Kong
Wang, Yong	Univ. of Science and Tech. of China

WeAr3Or_Re	Room V802, 1st Floor
Nonlinear Control and Its Applications III (Regular Session)	
Chair: Xi, Yugeng	Shanghai Jiao Tong Univ.
Co-Chair: Wang, Hanlei	Beijing Inst. of Control Engineering
-	WeAr3Or_Re.1
<i>Multi-Rate Model Predictive Control to Reject Periodic Disturbance with Reduced Ripple</i> , pp. 486-491.	
Jin, Mengke	Department of Automation, Shanghai Jiao Tong Univ.
Li, Dewei	Shanghai Jiao Tong Univ.

Xi, Yugeng	Shanghai Jiao Tong Univ.
15:30-17:00	WeAr3Or_Re.2
<i>Virtual System Calibration Based on Jitter Prediction of Internet Time-Delay for Teleoperation Systems</i> , pp. 492-497.	
Hua, Jianning	Northeastern Univ. at Qinhuangdao
Cui, Yujie	Northeastern Univ. at Qinhuangdao
Yang, Fangping	State Key Lab. of Robotics, Shenyang Inst. of Automati
Wang, Xuezhu	State Key Lab. of Robotics, Shenyang Inst. of Automati
Yang, Yanhua	State Key Lab. of Robotics, Shenyang Inst. of Automati
Li, Hongyi	State Key Lab. of Robotics, Shenyang Inst. of Automati
15:30-17:00	WeAr3Or_Re.3
<i>Weighted Average Attitude Consensus of Multiple Spacecraft on Directed Graphs</i> , pp. 498-502.	
Wang, Hanlei	Beijing Inst. of Control Engineering
15:30-17:00	WeAr3Or_Re.4
<i>Synchronization Control on a Class of Delayed Chaotic Neural Networks</i> , pp. 503-506.	
Yu, Haiyu	Northeast Petroleum Univ.
Shao, Keyong	Northeast Petroleum Univ.
Jiang, Weiqi	China Univ. Petroleum
15:30-17:00	WeAr3Or_Re.5
<i>Robust Control for Aircraft with Reaction Jets Using Dynamic Inversion and Fuzzy Neural Networks</i> , pp. 507-512.	
Chang, Yafei	Chinese Acad. of Science
Yuan, Ruyi	Inst. of Automation, Chinese Acad. of Science
Fan, Guoliang	Inst. of Automation, Chinese Acad. of Science
Yi, Jianqiang	Inst. of Automation, Chinese Acad. of Sciences
15:30-17:00	WeAr3Or_Re.6
<i>Distributed Adaptive Task-Space Synchronization of Networked Robotic Agents without Task-Space Velocity Measurements</i> , pp. 513-518.	
Wang, Lijiao	Beijing Inst. of Control Engineering
Wang, Hanlei	Beijing Inst. of Control Engineering
WeAr4Or_Re Room V803, 2nd Floor	
Intelligent Systems, Manufacturing and Emerging Area II (Regular Session)	
Chair: Palumbo, Pasquale	Consiglio Nazionale delle Ricerche (CNR)
Co-Chair: Huang, Loulin	Auckland Univ. of Tech.
-	WeAr4Or_Re.1
<i>Regulation of the Human Plasma Glycemia by Means of Glucose Measurements and Subcutaneous Insulin Administration</i> , pp. 519-524.	
Palumbo, Pasquale	Consiglio Nazionale delle Ricerche (CNR)
Pepe, Pierdomenico	Univ. of L'Aquila
Kong, Jude Dzevela	Univ. of Alberta, Department of Mathematical and Statistic
Saseendran Kumar, Sreedhar	Univ. of Freiburg
Panunzi, Simona	IASI-CNR
De Gaetano, Andrea	CNR
-	WeAr4Or_Re.2
<i>High Speed Road Texture Measurement Using Laser Scanning Technique</i> , pp. 525-528.	
Moldovanu, Adrian	Auckland Univ. of Tech.
Huang, Loulin	Auckland Univ. of Tech.
15:30-17:00	WeAr4Or_Re.3
<i>A Multiobjective-Based Switching Topology for Hierarchical Model Predictive Control Applied to a Hydro-Power Valley</i> , pp. 529-534.	
Nunez, Alfredo	Delft Univ. of Tech.
Ocampo-Martinez, Carlos	Tech. Univ. of Catalonia (UPC)
De Schutter, Bart	Delft Univ. of Tech.
Valencia, Felipe	Univ. Nacional de Colombia
Lopez, Jose David	Univ. de Antioquia
Espinosa, Jairo	Univ. Nacional de Colombia
15:30-17:00	WeAr4Or_Re.4

Architecture of the Novosibirsk Subway Automated Traffic Control System, pp. 535-538.

Belokon', Serge	Inst. of Automation and Electrometry Siberian Branch of Russ
Vasil'ev, Victor	Inst. of Automation and Electrometry Siberian Branch of Russ
Filippov, Michael	Inst. of Automation and Electrometry SB RAS
Zolotukhin, Yuri	Inst. of Automation and Electrometry SB RAS
Yan, Alexandr	Inst. of Automation and Electrometry SB RAS

15:30-17:00 WeAr4Or_Re.5

Consensus Predictive Control for 360MN Extrusion Machine, pp. 539-543.

Yang, Hongbin	Tsinghua Univ.
Li, Wanzhou	Tsinghua Univ.
Zhao, Qianchuan	Tsinghua Univ.
Peng, Fei	Tsinghua Univ.

15:30-17:00 WeAr4Or_Re.6

Fusing Visual Tracking and Navigation for Autonomous Control of an Intelligent Wheelchair, pp. 544-549.

Lei, Shuangshuang	South China Univ. of Tech.
Li, Zhijun	Shanghai Jiao Tong Univ.

WeMr1Or_Re Room V802, 1st Floor

Intelligent Control Theory and Applications I (Regular Session)

Chair: Ren, Xuemei	Beijing Inst. of Tech.
Co-Chair: Wang, Ding	Chinese Acad. of Sciences

- WeMr1Or_Re.1

Output L^∞ Neural Dynamic Surface Control for Large Inertia Servo Systems, pp. 550-555.

Sun, Guofa	Beijing Inst. of Tech.
Ren, Xuemei	Beijing Inst. of Tech.

08:30-10:00 WeMr1Or_Re.2

Time-Delay System Identification Using Genetic Algorithm - Part One: Precise FOPDT Model Estimation, pp. 556-562.

Yang, Zhenyu	Aalborg Univ.
Seested, Glen Thane	Aalborg Univ.

08:30-10:00 WeMr1Or_Re.3

Time-Delay System Identification Using Genetic Algorithm - Part Two: FOPDT/SOPDT Model Approximation, pp. 563-568.

Yang, Zhenyu	Aalborg Univ.
Seested, Glen Thane	Aalborg Univ.

08:30-10:00 WeMr1Or_Re.4

Neuro-Optimal Control of Unknown Nonaffine Nonlinear Systems with Saturating Actuators, pp. 569-574.

Yang, Xiong	Inst. of Automation, CAS
Liu, Derong	Univ. of Illinois at Chicago
Wei, Qinglai	Inst. of Automation, Chinese Academy of Sciences

08:30-10:00 WeMr1Or_Re.5

A New Self-Learning Optimal Control Scheme for Discrete-Time Nonlinear Systems Using Policy Iterative Adaptive Dynamic Programming, pp. 575-580.

Wei, Qinglai	Inst. of Automation, Chinese Academy of Sciences
Liu, Derong	Univ. of Illinois at Chicago

08:30-10:00 WeMr1Or_Re.6

Adaptive Dynamic Programming for Solving Non-Zero-Sum Differential Games, pp. 581-586.

Li, Hongliang	Inst. of Automation, CAS
Liu, Derong	Univ. of Illinois at Chicago
Wang, Ding	Chinese Acad. of Sciences

WeMr2Or_Re Room V803, 2nd Floor

Signal Processing and Adaptive Filtering II (Regular Session)

Chair: Guisheng, Llao	xidian Univ.
Co-Chair: Kang, Yu	Univ. of Science and Tech. of China

-		WeMr2Or_Re.1
<i>Deramping-Based Imaging Method for Bistatic Forward-Looking SAR</i> , pp. 587-591.		
Wang, Wei	National Lab. of Radar Signal Processing, Xidian Univ.	
Guisheng, Liao		xidian Univ.
Li, Dong		xidian Univ.
Xu, Qing	National Lab. of Radar Signal Processing, Xidian Univ.	
Yang, Ke	National Lab. of Radar Signal Processing, Xidian Univ.	
-		WeMr2Or_Re.2
<i>Unambiguous Radial Velocity Estimation Based on Delay-Interferometry in Range Frequency Domain (I)</i> , pp. 592-596.		
Zhang, Xuepan		Xidian Univ.
08:30-10:00		WeMr2Or_Re.3
<i>Q-Gaussian Density Model and Its Application to State Estimation of Nonlinear Systems</i> , pp. 597-602.		
Li, Xifeng	School of automation engineering, Univ. of electronic scien	
Xie, Yongle	School of automation engineering, Univ. of electronic scien	
08:30-10:00		WeMr2Or_Re.4
<i>FM Noise Generator Based on Hybrid Method</i> , pp. 603-608.		
Zhan, Huiqin	Univ. of Electronic Science and Tech. of China	
Li, Shuo	Univ. of Electronic Science and Tech. of China	
Peng, Yunwu	Univ. of Electronic Science and Tech. of China	
08:30-10:00		WeMr2Or_Re.5
<i>Kalman Filter-Based Identification of Systems with Randomly Missing Measurements and Linear Constraints</i> , pp. 609-613.		
Kang, Yu	Univ. of Science and Tech. of China	
Huang, Jianfei	Univ. of Science and Tech. of China	
Zhao, Yun-Bo	Imperial Coll. London	
Liu, Guoping	Univ. of Glamorgan	
08:30-10:00		WeMr2Or_Re.6
<i>SSVEP Responses Reveal the Efficiency of Functional Brain Network Entrained by the Flickering Stimulus</i> , pp. 614-618.		
Zhang, Yangsong	Key Lab. for NeuroInformation of Ministry of Education	
Xu, Peng	Key Lab. for NeuroInformation of Ministry of Education	
Yao, Dezhong	Key Lab. for NeuroInformation of Ministry of Education	
08:30-10:00		WeMr2Or_Re.7
<i>Adaptive Parameter Identification of Sinusoidal Signals</i> , pp. 619-624.		
Na, Jing		ITER Organization
Yang, Juan		Kunming Univ. of Science & Tech.
Wu, Xing		Kunming Univ. of Science & Tech.
Guo, Yu		Kunming Univ. of Science & Tech.
WeMi2Or_In		Room V801, 1st Floor
Theory and Application of Nonlinear Circuits and Systems (Invited Session)		
Chair: Zhang, Hongbin	Univ. of Electronic Science and Tech. of China	
Co-Chair: Zhang, Liangliang	Univ. of Electronic Science and Tech. of China	
10:30-12:00		WeMi2Or_In.1
<i>Multiple Targets Localization Approach Based on Virtual Fingerprinting in Indoor Environment (I)</i> , pp. 625-629.		
Guo, Xiansheng	Univ. of Electronics Science and Tech. of China	
Xu, Baogen	TONGFANG Electronic Science and Tech. Limited Company, Jiu	
Rao, Zhongchu	TONGFANG Electronic Science and Tech. Limited Company, Jiu	
Zhang, Hongbin	Univ. of Electronic Science and Tech. of China	
10:30-12:00		WeMi2Or_In.2
<i>Observer-Based Control of Discrete-Time Fuzzy Positive Systems with Time Delays (I)</i> , pp. 630-634.		
Zhang, Hongbin	Univ. of Electronic Science and Tech. of China	
Zhang, Liangliang	Univ. of Electronic Science and Tech. of China	
Luo, Heng	School of Electronic Engineering, Univ. of Electronic Scien	
Wu, Yang	ZHEJIANG Univ. of Information Science & E	

Guo, Xiansheng	Univ. of Electronics Science and Tech. of China
10:30-12:00	WeMi2Or_In.3
<i>Fuzzy-Model-Based Piecewise H^∞ Decentralized Tracking Control of Discrete-Time Networked Nonlinear Interconnected Systems (I)</i> , pp. 635-640.	
Zhang, Liangliang	Univ. of Electronic Science and Tech. of China
Zhang, Hongbin	Univ. of Electronic Science and Tech. of China
Guo, Xiansheng	Univ. of Electronics Science and Tech. of China
WeMr3Or_Re	Room V802, 1st Floor
Intelligent Control Theory and Applications II (Regular Session)	
Chair: Li, Tieshan	Dalian Maritime Univ.
Co-Chair: Wang, Hanlei	Beijing Inst. of Control Engineering
10:30-12:00	WeMr3Or_Re.2
<i>Adaptive Reactionless Motion Control for Free-Floating Space Manipulators with Uncertain Kinematics and Dynamics</i> , pp. 641-648.	
Xu, Shuanfeng	Beijing Inst. of Control Engineering
Wang, Hanlei	Beijing Inst. of Control Engineering
Zhang, Duzhou	Beijing Inst. of Control Engineering
Yang, Baohua	China Acad. of Space Tech.
10:30-12:00	WeMr3Or_Re.3
<i>Model Reference Control Based on Compensatory Fuzzy Neural Network for Gas Collectors of Coke Oven</i> , pp. 649-654.	
Li, Hongxing	Beijing Union Univ.
Kong, Xiangling	Inst. of Information, Beijing Union Univ. Beijing
10:30-12:00	WeMr3Or_Re.4
<i>Neural Network Based Robust Adaptive Dynamic Surface Control for AUVs</i> , pp. 655-659.	
Miao, Baobin	Dalian Maritime Univ.
Li, Tieshan	Dalian Maritime Univ.
Luo, Weilin	Fuzhou Univ.
10:30-12:00	WeMr3Or_Re.5
<i>Adaptive NN Control for a Class of Stochastic Nonlinear Systems with Unmodeled Dynamics</i> , pp. 660-665.	
Zifu, Li	Dalian Maritime Univ.
Li, Tieshan	Dalian Maritime Univ.
10:30-12:00	WeMr3Or_Re.6
<i>Swarm Intelligence and System Identification: A Hybrid Discrete Jumping Frogs Algorithm for Optimal Input Design</i> , pp. 666-671.	
Seren, Cédric	ONERA The French Aerospace Lab.
Hardier, Georges	ONERA
Roos, Clément	ONERA / DCSD
WeMr4Or_Re	Room V803, 2nd Floor
Nonlinear Control and Its Applications II (Regular Session)	
Chair: Li, Shaoyuan	Shanghai Jiao Tong Univ.
Co-Chair: Cai, Xin	Shanghai Jiao Tong Univ.
-	WeMr4Or_Re.1
<i>Global Finite-Time Stabilization of a Class of Non-Smooth Upper-Triangular Systems</i> , pp. 672-677.	
Tian, Weisong	Univ. of Texas at San Antonio
Qian, Chunjiang	Univ. of Texas at San Antonio
Chai, Lin	Southeast Univ.
Zhai, Junyong	Southeast Univ.
10:30-12:00	WeMr4Or_Re.3
<i>Global Output Feedback Stabilization for a Class of Nonlinear Planar Systems with Output-Dependent Growth Rates</i> , pp. 678-683.	
Wang, Xiangyu	SEU
Li, Shihua	Southeast Univ.
Qian, Chunjiang	Univ. of Texas at San Antonio
10:30-12:00	WeMr4Or_Re.4

ZG Controllers of Z2g0 and Z2g1 Types for Tracking Control of IPC Mathematical Model, pp. 684-689.

Zhang, Yunong	Sun Yat-Sen Univ.
Chen, Jinhao	Sun Yat-sen Univ.
Yu, Xiaotian	School of Information Science and Tech. Sun Yat-sen Univ.
Lao, Wenchao	School of Information Science and Tech. Sun Yat-sen Univ.
Peng, Chen	Sun Yat-sen Univ.

10:30-12:00

WeMr4Or_Re.5

Learning Control of a Robotic System Using Neural Networks, pp. 690-695.

Li, Zhixun	Univ. of Electronic Science and Tech. of China
He, Wei	Univ. of Electronic Science and Tech. of China (UESTC)
Tao, Zui	UESTC
Liu, Chang	Univ. of Electronic Science and Tech. of China

10:30-12:00

WeMr4Or_Re.6

On Variation of Infinite Horizon Performance of Model Predictive Control with Varying Receding Horizon, pp. 696-701.

Cai, Xin	Shanghai Jiao Tong Univ.
Li, Shaoyuan	Shanghai Jiao Tong Univ.
Li, Ning	Shanghai Jiao Tong Univ.
Li, Kang	Queen's Univ. Belfast

WeAi1Or_In

Room V801, 1st Floor

Modeling and Control of Dynamical Systems in Ocean Engineering (Invited Session)

Chair: He, Wei	Univ. of Electronic Science and Tech. of China (UESTC)
Co-Chair: Cui, Rongxin	National Univ. of Singapore

13:30-15:00

WeAi1Or_In.1

Formation Tracking Control of Multiple Marine Surface Vehicles Over a Directed Network: A Cooperative Dynamic Surface Control Design (I), pp. 702-707.

Peng, Zhouhua	Dalian Maritime Univ.
Wang, Dan	Dalian Maritime Univ.
Sun, Gang	Dalian Maritime Univ.
Wang, Hao	School of Marine Engineering, Dalian Maritime Univ.
Wang, Wei	School of Marine Engineering, Dalian Maritime Univ.

13:30-15:00

WeAi1Or_In.2

End-Point Regulation of a Flexible Robotic Manipulator under the Unknown Spatiotemporally Varying Disturbance (I), pp. 708-713.

Zhang, Shuang	National Univ. of Singapore
He, Wei	Univ. of Electronic Science and Tech. of China (UESTC)
Liu, Chang	Univ. of Electronic Science and Tech. of China
Huang, Deqing	Imperial Coll. London

13:30-15:00

WeAi1Or_In.3

Cooperative Navigation System for Multiple Unmanned Underwater Vehicles (I), pp. 714-718.

Yao, Yao	Jiangsu Automation Res. Inst.
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13:30-15:00

WeAi1Or_In.4

Sensor-Target Geometry for Hybrid Bearing/Range Underwater Localization (I), pp. 719-724.

Zhou, Ming	Dalian Naval Acad.
Zhong, Zhitong	Dalian Naval Acad.
Fang, Xinpeng	Northwestern Pol. Univ.

13:30-15:00

WeAi1Or_In.5

Control of a Three-Dimensional String System (I), pp. 725-731.

He, Wei	Univ. of Electronic Science and Tech. of China (UESTC)
Zhang, Shuang	National Univ. of Singapore

13:30-15:00

WeAi1Or_In.6

Learning from Adaptive Neural Output Feedback Control of Robot Manipulators, pp. 732-737.

Dai, Shi-Lu	South China Univ. of Tech.
Wang, Min	South China Univ. of Tech.
Wang, Cong	South China Univ. of Tech.

