

No.	Title	Code	Organizer Name	Institution	E-mail Address
1	Intelligent Safe and Secure Control of Unmanned Aerial Systems Against Disturbances, Faults, and Attacks	9W0qFw	Ziquan Yu	Nanjing University of Aeronautics and Astronautics	yuziquan@nuaa.edu.cn
			Youmin Zhang	Concordia University	youmin.zhang@concordia.ca
			Bin Jiang	Nanjing University of Aeronautics and Astronautics	binjiang@nuaa.edu.cn
2	Safe control, optimization and game of swarms	9T4KFw	Hao Yang	Nanjing University of Aeronautics and Astronautics	haoyang@nuaa.edu.cn
			Yuhang Xu	Nanjing University of Aeronautics and Astronautics	xuyuhang@nuaa.edu.cn
			Ziquan Yu	Nanjing University of Aeronautics and Astronautics	yuziquan@nuaa.edu.cn
			Bin Jiang	Nanjing University of Aeronautics and Astronautics	binjiang@nuaa.edu.cn
3	Intelligent Fault Diagnosis, Failure Reconfiguration, and Prognostic and Health Management in Unmanned System	rdUSKx	Yajie Ma	Nanjing University of Aeronautics and Astronautics	yajiema@nuaa.edu.cn
			Wenbo Li	Beijing Institute of Control Engineering	liwenbo_502@163.com
			Bin Jiang	Nanjing University of Aeronautics and Astronautics	binjiang@nuaa.edu.cn
4	Intelligent Control and Health Management of Helicopters	gtOoEW	Ke Zhang	Nanjing University of Aeronautics and Astronautics	kezhang@nuaa.edu.cn
			Jinfa Xu	Nanjing University of Aeronautics and Astronautics	xjfae@nuaa.edu.cn
			Chun Liu	Shanghai University	liuchun77@126.com

			Bin Jiang	Nanjing University of Aeronautics and Astronautics	binjiang@nuaa.edu.cn
5	Control, Perception, and Communications in Multi-Robot Systems	sPEm95	Yirui Cong	National University of Defense Technology	congyirui11@nudt.edu.cn
			Zhihong Liu	National University of Defense Technology	zhliu@nudt.edu.cn
			Xianguo Yu	National University of Defense Technology	yuxianguo_chn@163.com; yuxianguo11@nudt.edu.cn
6	Swarm Intelligence for Complex System Optimization	G7tDxs	Wenhua Li	National University of Defense Technology	liwenhua1030@aliyun.com
			Rui Wang	National University of Defense Technology	ruiwangnudt@gmail.com
7	Autonomous Aerial Refueling Control & Decision-making	K5nAvT	Chenggang Tao	Chengdu Aircraft Design Institute	chgtao@126.com
			Zhaoxu Yang	Chengdu Aircraft Design Institute	cdr117@163.com
8	Path Planning, Trajectory Tracking and Guidance for UAVs	MXoVlx	Heng Shi	Tsinghua University	shiheng@tsinghua.edu.cn
			Minchi Kuang	Tsinghua University	kuangmc@tsinghua.edu.cn
			Xiaming Yua	Tsinghua University	xmyuan@tsinghua.edu.cn
			Xinghui Yan	Northwestern Polytechnical University	yanxh@nwpu.edu.cn
			Jihong Zhu	Tsinghua University	jhzhu@tsinghua.edu.cn
9	Unmanned Systems and Hybrid Human-Machine Intelligence	y4bGKP	Cong Jin	Communication University of China	jincong0623@cuc.edu.cn
			Chunwei Tian	Northwestern Polytechnical University	chunweitian@nwpu.edu.cn

	Technology with Their Applications				
10	Intelligent Development and Verification of Critical Software	x5fh7O	Yongfeng yin	Beihang University	yyf@buaa.edu.cn
			Cong Jin	Communication University of China	jincong0623@cuc.edu.cn
11	Advanced State Estimation Methods of Inertial Navigation and Integrated Navigation Systems	2aer5W	Wenqi Wu	National University of Defense Technology	wenqiwu_lit@hotmail.com
			Maosong Wang	National University of Defense Technology	wangmaosong12@nudt.edu.cn
			Jiarui Cui	National University of Defense Technology	981886530@qq.com
12	Cooperative fault tolerant control for multi-unmanned system	CJBOzg	Yuwei Zhang	Beihang University	zhangyuwei@buaa.edu.cn
			Rui Mu	Beihang University	ruimu_sdu@outlook.com
13	Intelligent Guidance and Control for Aerospace Vehicles	YEv2jO	Liangyu Zhao	Beijing Institute of Technology	zhaoly@bit.edu.cn
			Lei Cui	Tianjin University	cui_lei@tju.edu.cn
			Xijing Hu	Beijing Institute of Control and Electronic Technology	hu_xijing@163.com
			Di Huang	Wuhan University	dhuang@whu.edu.cn
			Xianghua Wang	Beijing University of Posts and Telecommunications	XianghuaWang@bupt.edu.cn
			Zhengen Zhao	Nanjing University of Aeronautics and Astronautics	zhaozhengen@nuaa.edu.cn
			Xiuhui Peng	Nanjing University of Aeronautics and Astronautics	xhpeng@nuaa.edu.cn
14	Cooperative Perception, Guidance,	8HDTWq	Wei Dong	Beijing Institute of Technology	dong@bit.edu.cn

	and Control for Autonomous Unmanned Systems		Lele Zhang	Beijing Institute of Technology	zhanglele@bit.edu.cn
			Pengyu Wang	Korea Advanced Institute of Science and Technology	wangpy@kaist.ac.kr
			Chunyan Wang	Beijing Institute of Technology	chunyan.wang@bit.edu.cn
15	Guidance and Control Technology of Hypersonic Vehicle	gJ7r6V	Guangbin Cai	Rocket Force University of Engineering	cgb0712@163.com
16	Multi-Unmanned System Cooperation in Complex Environments	fCUESy	Guofei Li	Northwestern Polytechnical University	liguofei1@126.com
			Yonghua Fan	Northwestern Polytechnical University	fyhlixin@163.com
			Zongyu Zuo	Beihang University	zzybobby@buaa.edu.cn
17	Intelligent Cognition and Decision Control of Unmanned Aerial Vehicle Cluster	aav3On	FengHua He	Harbin Institute of Technology	hefenghua@hit.edu.cn
			XiaoLin Zhao	Air Force Engineering University	85327505@qq.com
			Hang Zhang	Science and Technology on Complex System Control and Intelligent Agent Cooperation Laboratory	zhh0993@163.com
18	Intelligent Decision, Control, and Simulation	LSFbe4	Liang Han	Beihang University	liang_han@buaa.edu.cn
			Xiaoduo Li	Beihang University	lixiaoduo@buaa.edu.cn
19	Intelligent Navigation, Control, and Decision Making of Transportation Systems in Complex Scenarios	KOw1JP	Yang Xu	Northwestern Polytechnical University	yang.xu@nwpu.edu.cn
			Zhaoliang Zhang	COMAC Shanghai Aircraft Design & Research Institute	zhangzhaoliang@comac.cc
			Bing Huang	Harbin Engineering University	binhuang@hrbeu.edu.cn

			Ting Liu	Jilin Institute of Chemical Technology	liuting@jlict.edu.cn
20	Autonomous Intelligent Unmanned Systems and Cross-Domain Collaborative Control Technology	7vAZJJ	Yang Liu	Beihang University	ylbuaa@buaa.edu.cn
			Song Jia	Beihang University	songjia@buaa.edu.cn
			Bin Chen	Beijing Institute of Control Engineering	chenbin502@126.com
21	Modelling, Control and Collaborative Optimization of Unmanned Transport Systems	naHONk	Yanhong Luo	Northeastern University	luoyanhong@ise.neu.edu.cn
			Xiao Liang	Nankai University	liangx@nankai.edu.cn
			Chaoxu Mu	Tianjin University	cxmu@tju.edu.cn
			Yanjun Liu	Liaoning University of Technology	liuyanjun@live.com
			Dongsheng Yang	Northeastern University	yangdongsheng@mail.neu.edu.cn
22	Control and Optimization of Complicated Dynamic Systems	5lqAEB	Baoyong Zhang	Nanjing University of Science and Technology	baoyongzhang@njust.edu.cn
			Qian Ma	Nanjing University of Science and Technology	qma@njust.edu.cn
			Deming Yuan	Nanjing University of Science and Technology	dmyuan1012@njust.edu.cn
			Shengyuan Xu	Nanjing University of Science and Technology	syxu@njust.edu.cn
23	Intelligent Decision-Making and Control of Multiple UAV systems	OI4OPN	Maolong Lv	Air Force Engineering University	maolonglv@163.com
			Chengpu Yu	Beijing Institute of Technology	yuchengpu@bit.edu.cn
			Zhuo Zhang	Northwestern Polytechnical University	zhuozhang@nwpu.edu.cn

			Yongxia Shi	City University of Hong Kong	yongxshi@cityu.edu.hk
24	Recent Advances in Spacecraft Intelligent Autonomous Control	zvq9XI	Xiaodong Shao	Beihang University	xdshao_sasee@buaa.edu.cn
			Caisheng Wei	Central South University	caisheng_wei@csu.edu.cn
			Qinglei Hu	Beihang University	huql_buaa@buaa.edu.cn
			Zheng H. Zhu	York University	gzhu@yorku.ca
25	Cooperation and Formation in multi-UAV	lnRAY3	Zhenbao Liu	Northwestern Polytechnical University	liuzhenbao@nwpu.edu.cn
			Wen Zhao	Northwestern Polytechnical University	zhaowen@nwpu.edu.cn
			Qingqing Dang	Northwestern Polytechnical University	dangqingqing@nwpu.edu.cn
			Xiao Wang	Northwestern Polytechnical University	wangxiao@nwpu.edu.cn
26	Application of offline Reinforcement Learning on Guidance, Navigation and Control	BxTZ9n	Biao Zhao	Xi'an Jiaotong University	biaozhao@xjtu.edu.cn
27	Planning and Navigation for Robotic Systems	MNjxTA	Zhe Liu	Shanghai Jiao Tong University	liuzhesjtu@sjtu.edu.cn
			Chaoqun Wang	Shandong University	chaoqunwang@sdu.edu.cn
			Bo Lu	Soochow University	blu@suda.edu.cn
28	Intelligent control and Planning of	GIDoIT	Junyi Wang	Northeastern University	wangjunyi@mail.neu.edu.cn

	Unmanned System Cluster		Fan Zhang	Northwestern Polytechnical University	fzhang@nwpu.edu.cn
			Dapeng Zhou	Shenyang Aircraft Design & Research Institute	156947542@qq.com
			Yanming Wu	Shenyang Aerospace University	yanmingwu@yeah.net
29	Intelligent Control of Autonomous Vehicles	vIHfzO	Yao Zou	University of Science and Technology Beijing	zouyao@ustb.edu.cn
			Dongyu Li	Beihang University	dongyuli@buaa.edu.cn
			Wei He	University of Science and Technology Beijing	weihe@ieee.org
30	Hardware-in-the-loop simulation and verification technology for new electric aircraft control systems	iVhhHd	Liang Zhu	Shanghai Hang Duo Aviation Technology Company Ltd	zhuliang@hangduo-aviation.com
			Songbai Xue	AEROFUGIA	Songbai.Xue@geely.com
31	Prognostics and health management of aircraft actuation system	6IO7a7	Di Liu	Beihang University	liudi54834@buaa.edu.cn
			Chao Peng	Sun Yat-sen University	pengch85@mail.sysu.edu.cn
			Xiaoyu Cui	Beijing Technology and Business University	xiaoyucui@btbu.edu.cn
			Cun Shi	Beihang University	shicun@buaa.edu.cn
32	Safety enhancement control for flight control systems	KnNxRT	Feihong Jiang	AVIC The First Aircraft Institute	jfh4161@163.com
			Junhong Zhang	AVIC The First Aircraft Institute	wyred@163.com
			Wenjing Hei	AVIC The First Aircraft Institute	heiwenjing1982@126.com

33	Artificial Intelligence and Its Applications on Control of Multiple Unmanned Systems	dvI5P9	Hao Liu	Beihang University	liuhao13@buaa.edu.cn
			Liang Yang	Beihang University	yangliang2016@buaa.edu.cn
			Kun Zhang	Beihang University	zhangkun22@buaa.edu.cn
34	Spacecraft intelligent navigation and control	x5bi3f	Bing Hua	Nanjing University of Aeronautics and Astronautics	huabing@nuaa.edu.cn
			Yunhua Wu	Nanjing University of Aeronautics and Astronautics	yunhuawu@nuaa.edu.cn
			Qingxian Jia	Nanjing University of Aeronautics and Astronautics	jqxnuaa@nuaa.edu.cn
			Zhiming Chen	Nanjing University of Aeronautics and Astronautics	zenkichen@nuaa.edu.cn
			Dan Yu	Nanjing University of Aeronautics and Astronautics	yudan@nuaa.edu.cn
35	Cooperative GNC Technology of Multiple Unmanned Systems	LRiTPt	Kewei Xia	Beijing Institute of Technology	kwxia@bit.edu.cn
			Chunyan Wang	Beijing Institute of Technology	Chunyan.wang@bit.edu.cn
			Jianan Wang	Beijing Institute of Technology	wangjianan@bit.edu.cn
36	Application of new navigation technology and intelligent algorithm	uSGoZg	Guangen Gao	AVIC Xi'an Flight Automatic Control Research Institute	253973369@qq.com
			Bin Xu	Northwestern Polytechnical University	
			Xiaokun Ding	AVIC Xi'an Flight Automatic Control Research Institute	
			Yimin Wang	AVIC Xi'an Flight Automatic Control Research Institute	
			Qi Zhou	AVIC Xi'an Flight Automatic Control Research Institute	

37	Fixed/Prescribed-time intelligent control and its application in aerospace unmanned systems	YLVK7x	Ganghui Shen	Northwestern Polytechnical University	shenganghui@nwpu.edu.cn
			Bing Cui	Beijing Institute of Technology	bing.cui@bit.edu.cn
			Zhiqiang Ma	Northwestern Polytechnical University	zhiqiangma@nwpu.edu.cn
			Ye Cao	Xi'an Jiaotong University	caoye62@126.com
			Yuanqing Xia	Beijing Institute of Technology	xia_yuanqing@bit.edu.cn
38	Collaborative Control and Optimization in human-machine integration	gc5A2N	Hui Xiong	Tiangong University	xionghui@tiangong.edu.cn
			Liya Li	Tiangong University	liliya@tiangong.edu.cn
39	Autonomous operation of unmanned space systems	ThcA2E	Fangzhou Fu	Sun Yat-sen University	ffzssg@163.com
			Dayi Wang	China Academy of Space Technology	
40	Advanced Control Methods in Aerospace Unmanned Systems	wYaf33	Yin Wang	Nanjing University of Aeronautics and Astronautics	yinwangee@nuaa.edu.cn
			Yu Meng	Nanjing University of Aeronautics and Astronautics	
41	Autonomous Perception and Control Techniques for Unmanned Systems: Recent Research Development and Applications	bFc6pu	Bo Zhu	Sun Yat-sen University	zhubo_uestc@163.com
			Hugh H.T. Liu	University of Toronto	liu@utias.utoronto.ca
42	Multi-source Intelligent Integrated	odST3u	Ershen Wang	Shenyang Aerospace University	wanges_2016@126.com

	Navigation for Unmanned Systems in Complex Environments		Yongjun Wang	Guilin University of Aerospace Technology	
			Jicheng Ding	Harbin Engineering University	
43	Intelligent Control of Space Robot	Hex3dp	Chengfei Yue	Harbin Institute of Technology (Shenzhen)	yuechengfei@hit.edu.cn
			Yibo Ding	Northwestern Polytechnical University	dingyibo@nwpu.edu.cn
			Xianghong Xue	Xi'an University of Technology	xhxue@xaut.edu.cn
44	Control and Optimization Techniques for Aerial Manipulation Systems	BPSbE8	Yongchun Fang	Nankai University	fangyc@nankai.edu.cn
			Xiao Liang	Nankai University	liangx@nankai.edu.cn
45	Autonomous Control Technology for Unmanned System	xUOq9k	Bin Li	Sichuan University	bin.li@scu.edu.cn
			Mingming Shi	Sichuan University	m.shi@scu.edu.cn
46	Digitization and digital engineering	a0Lzy3	Jiaqiang Zhu	Chinese Aeronautical Establishment	zhujiqiang@163.com
			Zhigang Wang	Shenyang Aircraft Design & Research Institute	wangzg7892@hotmail.com
			Chunyan Wang	Beijing Institute of Technology	Chunyan.wang@bit.edu.cn
47	Bionic Cluster Unmanned System Cooperative Control	960QuZ	Ming He	Army Engineering University	heming@aeu.edu.cn
			Sicong Liu	Army Engineering University	
48	Biologically Swarm Autonomous Control for unmanned systems	ZnPOj8	Haibin Duan	Beihang University	hbduan@buaa.edu.cn
			Yongbin Sun	Beihang University	ybsun@buaa.edu.cn

			Yimin Deng	Beihang University	ymdeng@buaa.edu.cn
			Yanming Fan	Shenyang Aircraft Design & Research Institute	michaelfan@yeah.net
49	Intelligent Control and Guidance Technology for Unmanned Aerial Vehicles	guni1L	Shaolei Zhou	Naval Aviation University	zhouslsd@sina.com
			Ruitao Li	Naval Aviation University	rtlsea@163.com
			Liang Qin	Naval Aviation University	qinliang982@163.com
			Xiuzhen Wu	Naval Aviation University	wxz_lucky@163.com
50	Intelligent Planning and Decision Control Technology of Unmanned Systems	QGu63R	Enjiao Zhao	Harbin Engineering University	zhaoenjiao935@163.com
			Yongxu He	Harbin Engineering University	heyongxu@hrbeu.edu.cn
			Yuxin Zhao	Harbin Engineering University	zhaoyuxin@hrbeu.edu.cn
51	Advanced AI and ML approaches for Equipment CPSs	51tVtt	Cong Peng	Nanjing University of Aeronautics and Astronautics	pengcong@nuaa.edu.cn
			Shuang Shi	Nanjing University of Aeronautics and Astronautics	shishuang@nuaa.edu.cn
52	Intelligent dynamic modeling and control in unmanned aerial vehicle	QLfkhd	Haidong Shen	Nanjing University of Aeronautics and Astronautics	shenhaidong@nuaa.edu.cn
			Boyi Chen	Nanjing University of Aeronautics and Astronautics	chenboyi1989@nuaa.edu.cn
			Wangkui Liu	Beijing Institute of Aerospace Technology	liuwangkui@126.com
			Yanbin Liu	Nanjing University of Aeronautics and Astronautics	liuyb@nuaa.edu.cn

53	Autonomous Navigation and Control for High-Spinning Flying Bodies	aVZ4yL	Kai Shen	Beijing Institute of Technology	kshen@bit.edu.cn
			Zhihong Deng	Beijing Institute of Technology	dzh_deng@bit.edu.cn
			Ning Liu	Beijing Information Science and Technology University	ning.liu@bistu.edu.cn
54	Intelligent decision-making and collaborative control of cross-domain swarm systems	dFYh3y	Yanjie Zhao	Information Science Academy, CETC	zhaoyj_dky@163.com
55	Vision-based Navigation Technology	HleLIK	Tao Zhang	Tsinghua University	taozhang@tsinghua.edu.cn
			Qing Li	Tsinghua University	liqing@tsinghua.edu.cn
56	Autonomous Flight Control and Intelligent Air Warfare of High Mobility Aircraft	J1E0gF	Jingping Shi	Northwestern Polytechnical University	shijingping@nwpu.edu.cn
			Yongxi Lyu	Northwestern Polytechnical University	yongxilyu@nwpu.edu.cn
			Xiaobo Qu	Northwestern Polytechnical University	xiaobo@nwpu.edu.cn
57	Flight Management Technology for Next Generation Air Traffic Control	7zk3w5	Qing Li	Tsinghua University	liqing@tsinghua.edu.cn
			Nong Cheng	Tsinghua University	ncheng@tsinghua.edu.cn
			Zhiming Zheng	COMAC Shanghai Aircraft Design & Research Institute	zhengzhiming@comac.cc
58	Comprehensive Experimental Verification	ceBhIx	Qing Li	Tsinghua University	liqing@tsinghua.edu.cn

	Technology for Aerodynamics and Flight Control Based on Virtual Reality Fusion		Fei Cen	China Aerodynamics Research and Development Center	cenf14@tsinghua.org.cn
59	Design, Modeling, and Flight Control of VTOL UAVs	wTyBrC	Guang He	National University of Defense Technology	heguang410@163.com
			Shulong Zhao	National University of Defense Technology	jaymaths@nudt.edu.cn
			Longfei Zhao	Beihang University	zhaolf@buaa.edu.cn
60	Long-Endurance Integrated Navigation in Polar Regions	IsVwZY	Zhihong Deng	Beijing Institute of Technology	dzh_deng@bit.edu.cn
			Kejun Shang	Beijing Automation Control Equipment Institute	kjshang@163.com
			Kai Shen	Beijing Institute of Technology	kshen@bit.edu.cn
61	Modeling, control, and estimation in unmanned autonomous systems	4ZemSK	Huangchao Yu	National University of Defense Technology	
			Jinwen Hu	Northwestern Polytechnical University	hujinwen@nwpu.edu.cn
			Mingwei Lv	AVIC Shen Yang Aircraft Design & Research Institute	
62	Research on Planning and Operation Optimization of Integrated Energy Systems Based on Evolutionary Computing	r9Oqbg	Rui Wang	National University of Defense Technology	ruiwangnudt@gmail.com
			Tao Zhang	National University of Defense Technology	zhangtao@nudt.edu.cn
			Zhichao Shi	National University of Defense Technology	shizhichao13@nudt.edu.cn
			Nanjiang Dong	National University of Defense Technology	643260047@qq.com

63	Cooperative Guidance and Control Method for Intercepting Large Maneuvering Target	QXm0AG	Jingliang Sun	Beijing Institute of Technology	sunjingliangac@163.com
			Kebo Li	National University of Defense Technology	likeboreal@nudt.edu.cn
			Jianglong Yu	Beihang University	sdjxyjl@buaa.edu.cn
			Dengxiu Yu	Northwestern Polytechnical University	yudengxiu@nwpu.edu.cn
64	Advances in Autonomous Aerial Refueling and Aerial Recovery	c8tGQO	Honglun Wang	Beihang University	hl_wang_2002@126.com
			Yaohong Qu	Northwestern Polytechnical University	qyh0809@126.com
			Zikang Su	Nanjing University of Aeronautics and Astronautics	zk_su@nuaa.edu.cn
65	Guidance, Navigation and Intelligent Flight Control Technology for Civil Aircraft	OQELBB	Kezhi Zhang	COMAC Shanghai Aircraft Design & Research Institue	zhangkezhi@comac.cc
			Jingzhou Zhao	COMAC Shanghai Aircraft Design & Research Institue	zhaojingzhou@comac.cc
			Xinghua Liu	COMAC Shanghai Aircraft Design & Research Institue	liuxinghua@comac.cc
			Zhaoliang Zhang	COMAC Shanghai Aircraft Design & Research Institue	zhangzhaoliang@comac.cc
			Jingyi Fu	COMAC Shanghai Aircraft Design & Research Institue	fujingyi@comac.cc
66	Evolutionary Computing Theory and Applications	jXIOGe	Sheng Qi	National University of Defense Technology	ShengQii@88.com
			Rui Wang	National University of Defense Technology	ruiwangnudt@gmail.com
			Tao Zhang	National University of Defense Technology	zhangtao@nudt.edu.cn
			Mengjun Ming	National University of Defense Technology	mingmengjun11@nudt.edu.cn

			Kaiwen Li	National University of Defense Technology	likaiwen@nudt.edu.cn
67	Intelligent Decision-Making and Nonlinear Control of Unmanned Systems	ISIAN4	Shuyi Shao	Nanjing University of Aeronautics and Astronautics	shaosy@nuaa.edu.cn
			Mou Chen	Nanjing University of Aeronautics and Astronautics	chenmou@nuaa.edu.cn
68	Decision Making, Guidance, and Control for Multiple Flight Vehicles	DsZPqD	Hao Chen	National University of Defense Technology	chenhao09@nudt.edu.cn
			Yangguang Yu	National University of Defense Technology	yuyangguang11@nudt.edu.cn
			Li Yu	National University of Defense Technology	yuli15a@nudt.edu.cn
69	Data and model driven integrated reliability design and intelligent operation & maintenance for aircraft key equipment	BP1qEc	Yujie Cheng	Beihang University	chengyujie@buaa.edu.cn
			Zeyu Wu	Beihang University	wuzeyu@buaa.edu.cn
70	Trends in Embodied-Intelligence Unmanned Vehicle Technology and Applications of Intelligent Transport Systems	sAXRLV	Jian Chen	China Agricultural University	jchen@cau.edu.cn
			Qingchun Feng	National Research Center of Intelligent Equipment for Agriculture	fengqc@nercita.org.cn
			Shubo Wang	Qingdao University	shubowang@qdu.edu.cn
			Zichao Zhang	Information Science Academy of China Electronics Technology Group Corporation	zhangzc1@yeah.net
71	Advanced GNC Techniques in Space Gravitational Wave Detection	Col9ZI	Shufan Wu	Shanghai Jiao Tong University	shufan.wu@sjtu.edu.cn
			Yonghe Zhang	Innovation Academy for Microsatellites of CAS	zhangyh@microsate.com

			Qiang Shen	Shanghai Jiao Tong University	qiang.shen@hotmail.com
72	Collective Intelligence for Collaborative Sensing and Control	GV8qVB	Wenwu Yu	Southeast University	
			Huazhou Hou	Southeast University	
			He Wang	Southeast University	wanghemath2014@163.com
73	Advanced Airborne Software Reliability and Testing Technology	RyaWVw	Zheng Zheng	Beihang University	Zhengz@buaa.edu.cn
			Guanping Xiao	Nanjing University of Aeronautics and Astronautics	gpxiao@nuaa.edu.cn
74	Vicinagearth Security Theory and Applications	xy8sq7	Haibin Duan	Beihang University	hbduan@buaa.edu.cn
			Feiping Nie	Northwestern Polytechnical University	feipingnie@gmail.com
75	Realtime Decision, Control and Simulation of Intelligent Flight vehicles	xzxbxi	Junhui Liu	Beijing institute of technology	liujunhui@bit.edu.cn
			Jianan Wang	Beijing institute of technology	wangjianan@bit.edu.cn
			Jiayuan Shan	Beijing institute of technology	sjy1919@bit.edu.cn
76	Artificial Intelligence for the Industrial Internet-of-Things	yr56Oy	Lei Ren	Beihang University	renlei@buaa.edu.cn
			Liyuanjun Lai	Beihang University	lailiyuanjun@buaa.edu.cn
77	Multi-disciplinary coupling synthetic control technology for aircraft	WR72nA	Wangyi Zhou	AVIC XI'an Flight Automatic Control Research institute	1208210734@qq.com
78	Development and application of GNC	VbhaMg	Wenjin Liu	AVIC XI'an Flight Automatic Control Research institute	814636729@qq.com

	technology in new operational concept/operational system				
79	Swarm autonomous decision and control technology	k3qljN	Xiaoting Wang	AVIC XI'an Flight Automatic Control Research institute	770101369@qq.com
			Nan Han	AVIC XI'an Flight Automatic Control Research institute	hannwno@126.com
80	Research on key technologies of air-to-ground missile guidance and control system for UAVs	zsQG9k	Guanlin Li	China Aviation Industry Automatic Control Research Institute	liguanlin100@163.com
81	Research on integrated flight control of large flying-wing configuration aircraft	xFFBlf	Erzhuo Niu	AVIC XI'an Flight Automatic Control Research institute	
			Yuyan Cao	AVIC XI'an Flight Automatic Control Research institute	summercao@mail.nwpu.edu.cn
82	Advanced control technology and application of new generation helicopter	RWY7vn	Xin Jin	AVIC XI'an Flight Automatic Control Research institute	jinxin@tju.edu.cn
83	Design and verification of high-level civil aircraft auto flight system	W9VF02	Sipeng Song	FACRI	nwpussp@163.com
84	Development and application of new configuration aircraft related technology	uDMRIM	Dongliang Song	AVIC Xi'An Automatic Control Research Institute	songdongliang.88@163.com
85	Autonomous Control and Coordination for	ii4erd	Xin Xu	National University of Defense Technology	xinxu@nudt.edu.cn

	Unmanned Systems		Hui Yin	Hunan University	huiyin@hnu.edu.cn
			Feixiang Xu	China University of Mining and Technology	xufx92@cumt.edu.cn
			Xinglong Zhang	National University of Defense Technology	zhangxinglong18@nudt.edu.cn
86	Intelligent Guidance and Control for Autonomous Robots in Field Applications	FiGz6e	Yuqing He	Shenyang Institute of Automation, CAS	
			Yuqing He		
			Guangyu Zhang	CAS	zhangguangyu@sia.cn
87	Deep learning-based Object Detection and Tracking in Guidance, Navigation and Control	SHimaQ	Yongbin Zheng	National University of Defense Technology	zybnudt@nudt.edu.cn
			Ruitao Lu	Rocket Force University of Engineering	
			Peng Sun	National University of Defense Technology	
88	Unmanned Swarm Control and Advanced Navigation Sensing Technology	rXZboQ	Yimin Deng	Beihang University	ymdeng@buaa.edu.cn
			Chen Fan	National University of Defense Technology	fanchen@nudt.edu.cn
			Tongqiao Miao	National University of Defense Technology	miaotongqiao12@nudt.edu.cn
89	Bionic autonomous navigation and anti-disturbance control for unmanned systems	VRqBiX	Xiang Yu	Beihang University	xiangyu_buaa@buaa.edu.cn
			Jianchun Zhang	Beihang University	zhangjianchun@buaa.edu.cn
			Lei Guo	Beihang University	lguo@buaa.edu.cn
90	Cooperation of Multi-Unmanned	AEZIRg	Housheng Su	Huazhong University of Science and Technology	houshengsu@gmail.com

	System with Engineering Applications		Xiaoling Wang	Nanjing University of Posts and Telecommunications	xiaolingwang@njupt.edu.cn
			Yong Wang	Army Academy of Artillery and Air Defense	505851279@qq.com
91	Civil Aviation Guidance and Control Technology and Its Applications	iczR8R	Rui Wang	Civil Aviation University of China	ruiwang@cauc.edu.cn
			Guochen Niu	Civil Aviation University of China	niu_guochen@139.com
			Qingji Gao	Civil Aviation University of China	qjgao@cauc.edu.cn
92	Detection and imaging of micromotion using optical vortex	NM0KJg	Yuan Ren	Space Engineering University	renyuan_823@aliyun.com
93	Fault Diagnosis, Prognostics and Health Management for Aviation Equipment	CtQf4B	Runxia Guo	Civil Aviation University of China	rxguoblp@163.com
			Qingji Gao	Civil Aviation University of China	qjgao@cauc.edu.cn
			Darong Huang	Anhui University of China	drhuangjs@ahu.edu.cn
			Jun Wu	Civil Aviation University of China	j_wu@cauc.edu.cn
94	Pigeon-Inspired Swarm Intelligence: Algorithms and Applications	hMao6y	Xingshuo Hai	Nanyang Technological University	haixingshuo@buaa.edu.cn
			Mengzhen Huo	Beihang University	mzhuo@buaa.edu.cn
95	Low-altitude UAV Countermeasure Technology and Application	kLW3Ja	Kang Liu	Northwestern Polytechnical University	lincoln.liu@nwpu.edu.cn
			Dengxiu Yu	Northwestern Polytechnical University	yudengxiu@126.com
96	Flight Safety Control of Autonomous	3HKTBk	WenjuanWang	Hiwing Aviation General Equipment Co., Ltd.	wwj_302@126.com

	Intelligent System		Junquan Shen	Hiwing Aviation General Equipment Co., Ltd.	junquanshen@foxmail.com
97	INS based Bio-inspired Navigation Technology	8oYUJ2	Xiaofeng He	National University of Defense Technology	hexf_lit@126.com; hexiaofeng@nudt.edu.cn
			Jun Mao	National University of Defense Technology	maojun12@ nudt.edu.cn
			Lilian Zhang	National University of Defense Technology	lilianzhang@nudt.edu.cn
98	Intelligent Control Design for Nonlinear Underactuated System	g6oCQ7	Bin Xian	Tianjin University	xbin@tju.edu.cn
			Ning Sun	Nankai University	sunn@nankai.edu.cn
99	Recent Advances in intelligent guidance and control technology	baKdli	Xiwang Dong	Beihang University	xwdong@buaa.edu.cn
			Jianglong Yu	Beihang University	sdjxyjl@buaa.edu.cn
			Zixuan Liang	Beijing Institute of Technology	liangzx@bit.edu.cn
			Zhang Ren	Beihang University	renzhang@buaa.edu.cn
100	Coordination control of multi-agent systems	bN2DT7	Yuanshi Zheng	Xidian University	zhengyuanshi2005@163.com
101	Aviation airborne actuation systems are integrated, intelligent,more electrified,and lightweight	eDezgU	Gang An	AVIC Qingan Group Co., Ltd.	an_gang@qingan.com
			Fei Gao	AVIC Qingan Group Co., Ltd.	gaofeiblk7@126.com
			Shuyan Liu	AVIC Qingan Group Co., Ltd.	liusysac2007@126.com
102	Intelligent Learning Guidance and Control Technology of Aircraft	gIhlbu	Kai Liu	Dalian University of Technology	carsonliu@dlut.edu.cn
			Dapeng Yang	Shenyang Aircraft Design and Research Institute	498997537@qq.com

103	Autonomous Control Technology of Intelligent Unmanned Systems	6EIT7f	Song Jiang	Beihang University	songjiang@buaa.edu.cn
			Yingxun Wang	Beihang University	wangyx@buaa.edu.cn
			Pei Chi	Beihang University	peichi@buaa.edu.cn
			Jiang Zhao	Beihang University	jzhao@buaa.edu.cn
104	Hypersonic flight vehicle trajectory optimization and control	vqOI6R	Tao Chao	Harbin Institute of Technology	chaotao2000@163.com
			Jianguo Guo	Northwestern Polytechnical University	guojianguo@pwpu.edu.cn
			Lei Liu	Huazhong University of Science and Technology	liulei@hust.edu.cn
			Peng Wang	National University of Defense Technology	wangpeng1984@nudt.edu.cn
			Ming Yang	Harbin Institute of Technology	myang@hit.edu.cn
105	System design and navigation, decision making, control technology of Lunar Exploration Robots	WdR21a	Zhi Wang	Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences	wangzhi@csu.ac.cn
			Wenxiao Zhao	Technology and Engineering Center for Space Utilization, Chinese Academy of Sciences	wxzhao@amss.ac.cn
			Ruiming Li	Beijing Jiaotong University	lirm@bjtu.edu.cn
106	Trajectory planning, guidance and control for morphing flight vehicle	QZVFdP	Ruizhi He	National University of Defense Technology	heruizhi_nudt@sina.com
			Yuxin Liao	Central South University	liaoyuxin@csu.edu.cn
			Jianwen Zhu	Rocket Force University of Engineering	zhujianwen1117@163.com

			Yuanlong Zhang	National University of Defense Technology	zhangyl_0728@163.com
			Xiang Zhou	National University of Defense Technology	zhouxiang14@nudt.edu.cn
107	Intelligent sensing and control of swarm system	pdKr8T	Jin Xiao	Beihang University	xiaojin@buaa.edu.cn
			Qing Zhou	China National Aeronautical Radio Electronics Research Institute	zhouqing0@163.com
			Jiajia Zhao	Beijing Electromechanical Engineering Research Institute	40068986@qq.com
108	Secure and Controllable Intelligent Unmanned Systems	Q7acGV	Pengcheng Wang	Beihang University	pcwang@buaa.edu.cn
			Yishi Liu	Beihang University	liuyishi@buaa.edu.cn
			Xiaoya Xu	China Aerospace Science and Industry Corporation 706 Research institute	cheriex_xu@163.com
109	Automatic Flight Technology for Mission-Oriented Aircraft	XYuNCY	Qiang Shen	Shanghai Jiao Tong University	qiangshen@sjtu.edu.cn
			Bo Li	Shanghai Maritime University	libo@shmtu.edu.cn
110	Unmanned aerial vehicle automatic control and decision making	OXMWRd	Xiaobin Xu	Beijing Information Science and Technology University	xiaobinxu@bistu.edu.cn
			Biao Wang	Nanjing University of Aeronautics and Astronautics	wangbiao@nuaa.edu.cn
			Delin Luo	Xiamen University	luodelin1204@xmu.edu.cn
111	Advanced Space flexible operation and control research	9EOE6P	Xiang Zhang	Institute of Defense Technology	zxstudy@nudt.edu.cn
			Xiaozhou Yu	Dalian Institute of Technology	yuxiaozhou@dlut.edu.cn
			Xiuming Yao	Beijing Jiaotong University	xmyao@bjtu.edu.cn

			Chong Sun	Northwestern Polytechnical University	sunchong@nwpu.edu.cn
112	Rule-based Autonomous Maneuver Decision-Making in Air Combat Game	dJ8PJW	Yuan Yuan	Northwestern Polytechnical University	snowkey@aliyun.com
			Wei Chen	Nanjing University of Science and Technology	chenw062569@163.com
			Wenya Wan	Xi'an University of Technology	wanwenya@xaut.edu.cn
113	Advanced special vehicle guidance control method and damage effectiveness analysis	gZzALd	Jiajia Ma	Northwest Institute of Mechanical and Electrical Engineering	408708283@qq.com
			Junhua Huang	Jiangxi Industry Holding Co., Ltd.	huangjh@guokegroup.com
			Chong Sun	Northwestern Polytechnical University	sunchong@nwpu.edu.cn
			Wei Chen	Nanjing University of Science and Technology	chenw062569@163.com
114	Intelligent Planning & Control of Autonomous Unmanned Aircraft System in Unknown Environments	DBt6GY	Yifeng Niu	National University of Defense Technology	niuyifeng@nudt.edu.cn
			Chang Wang	National University of Defense Technology	wangchao07@nudt.edu.cn
			Shengde Jia	National University of Defense Technology	jiashengde08@nudt.edu.cn
			Zhaowei Ma	National University of Defense Technology	mazhaowei1989@126.com
115	Control of New Concept Aircraft and New Air-Air Cooperation	rtGASI	Ning Zhang	Flight Automatic Control Research Institute. AVIC	zhn861126@163.com
			Xiaolong Chen	Flight Automatic Control Research Institute. AVIC	nxcxL@aliyun.com
			Hengyu Liu	Flight Automatic Control Research Institute. AVIC	Lihengyu5.3@163.com
116	Guidance and control of carrier-based	vtTN5p	Jie Wang	Naval Aviation University	reality_123@126.com

	aircraft/UAV landing		Ziyang Zhen	Nanjing University of Aeronautics and Astronautics	zhenziyang@nuaa.edu.cn
			Zhibing Zhang	AVIC Shenyang Aircraft Design and Research Institute	Sari406@hotmail.com
			Yang Zhang	Naval Research Institute	2906517@163.com
117	Autonomous Intelligent Orbit Planning and Safety Protection for Spacecraft: Methods, Techniques, and Novel Concepts	ROOKPJ	Xin Ning	Northwestern Polytechnical University	ningxin@nwpu.edu.cn
			Xiaobin Lian	Northwestern Polytechnical University	lianxb@nwpu.edu.cn
			Shichao Ma	Northwestern Polytechnical University	shichaoma_1992@163.com
			Wenlong Li	Shanghai Institute of Satellite Engineering	liwenlongzacao@126.com
118	Coordination Control for Small Fixed-wing UAVs	Lhtamw	Xianglun Zhang	AVIC Xi'an Flight Automatic Control Research Institute	179658261@qq.com
			Qiang Tang	AVIC Xi'an Flight Automatic Control Research Institute	qtang@126.com
			Lin Hou	AVIC Xi'an Flight Automatic Control Research Institute	houlin8561@tom.com