

2018 Intel Cup Embedded System Design Invitational Contest Winner List

NO.	Class	University	Topic	Instructor	Student 1	Student 2	Student 3
1-1	Intel Cup	Shanghai Jiao Tong University	Safe Eye of Service Robots	Wang Geng	Wang Yule	Yang Ruiheng	Li Xuhui
1-2	First Prize	Arizona State University	Artificial Intelligent Guide Dog And Wheelchair Robots	Gennaro De Luca	Matthew Koltres	Stephen Lockhart	Richard Simpson
1-3	First Prize	Federal University of Pernambuco	Markme-Package Management System	Edna Natividade Da Silva Barros	Caio Moreira Gomes	Michael Barney Galindo Júnior	Lucas Henrique Cavalcanti Santos
1-4	First Prize	Peking University	Put and Use IoT Table	Duan Xiaohui	Wu Yue	Meng Yibai	Xu An'ran
1-5	First Prize	University of Electronic Science and Technology of China	Education System of Chinese Ancient Poetry and Painting	Pan Ye	Pan Haiqi	Wang Linglan	Xian Bincheng
1-6	First Prize	University of Electronic Science and Technology of China	Intelligent Sign Language Interactive System	Yang Lian	Wei Shicai	Lei Zi'ang	Kong Ruiqi
1-7	First Prize	University of Electronic Science and Technology of China	Identification System Based on 3D Venous Information	Yang Lian	Ouyang Changqing	Liu Chenhao	Liu Dasong
1-8	First Prize	Northeastern University	Simple Ultrasound Imaging System Based on GPU Acceleration	Zhang Shi	Li Ang	Yuan Yuelin	Feng Yulin
1-9	First Prize	Hunan University	Intelligent Self - balance Robot	Xu Cheng	Yi Jiajia	Wei Yuelu	Chen Zhujie
1-10	First Prize	South China University of Technology	In Touch With Your Fingertips - Human - Computer Interaction Scheme Based on Multi - View RGB Camera	Zhang Xin	Lin Honghui	Liu Yufei	Liu Jierui
1-11	First Prize	Tongji University	Based on Computer Vision And Deep Learning	Jiang Lei	Lai Haowen	Chen Jinshu	Jiang Ji
1-12	First Prize	Tongji University	On-call Bot	Ye Chen	Wang Jianwei	Lu Tianyang	Shu Ruiqi
1-13	First Prize	Xidian University	Indoor Integrated Rowing Training Platform	Cai Jueping	Zhao Lei	Zhang Yourun	Zhang Chengkai
2-1	Second Prize	City University of HongKong	Intelligent Farming: Automatic Fruit Disease Detection System	Tan Chee Wei	Hang Ching Nam	Lau Lee	Cheung Ka Ho

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2-2	Second Prize	City University of HongKong	Animal Healthcare Monitoring System Based on Visible Disease Symptoms	Tan Chee Wei	Chan Wing Sze	Wong Man Fai	Fan Cheuk Hang
2-3	Second Prize	National University of Singapore	ARENA Glass: A Computer-Vision Augmented Wearable Navigator for Indoor Environment	Rajesh C Panicker	Cheng Huimin	Koh Wai Heng	Hu Jiawei
2-4	Second Prize	Peking University	Intelligent Medical Assistant Robot	Luo Dingsheng	Yang Tianmeng	Zhu Zeyu	Yu Rui
2-5	Second Prize	Beijing Information Science & Technology University	Crazy Painter	Su Jin	Xu Yunxiu	Li Xinghan	Luo Shan
2-6	Second Prize	Beijing University of Posts and Telecommunications	Ainascere Gallery - Fast Style Transformation System	Chen Wencheng	Li Hao	Li Yuhan	Chen Yao
2-7	Second Prize	Beijing University of Posts and Telecommunications	Design and Implementation of Intelligent Robot in Underground Parking Lot	Dai Zhitao	Han Meng	Wang Yizong	Wu Changshun
2-8	Second Prize	University of Electronic Science and Technology of China	Divine Mathematician—Finger Guessing Master	Fu Zhizhong	Tan Xuebin	Zhu Tianqi	Chen Cai
2-9	Second Prize	Northeastern University	Up ² Based Miniaturized Ion Trap Mass Spectrometer	Li Dayu	Hu Liangshun	Yan Haoqiang	Zhang Zhenrong
2-10	Second Prize	HangZhou Dianzi University	System Used to Classify and Mount Bulk MLCC and Resistors Based on Machine Vision	Huang Jiye	Ren Tiancheng	Yu Yuelun	Jin Bowen
2-11	Second Prize	South China University of Technology	MoEye - An Intelligent Visual Enhancement System	Xing Xiaofen	Jiang Zetian	Li Pengqian	Lu Weirui
2-12	Second Prize	Huazhong University of Science and Technology	Inspection Airship	Wang Zhenyan	Zhu Xuejuan	Tang Jingyang	Huang Yixue
2-13	Second Prize	Huazhong University of Science and Technology	Shared Platform of Remote Telescope	Wang Zhenyan	Zhao Zhenxing	Fu Zexin	Huang Yunlong
2-14	Second Prize	Jilin University	Intel Up ² -Based Remote Terminal Controllable Artificial Intelligence Access Control System -	Gao Fengli	Yan Guanwen	Gan Lin	Zhang Yuan
2-15	Second Prize	Nanchang University	The Intelligent Caring System Based on Millimeter Wave Radar and Machine Vision	Zhou Huilin	Chen Xuanbang	Zhang Xuanzhi	Chen Yu
2-16	Second Prize	Shanghai University	An Intelligent Music System	Wang Rui	Xie Zhiwen	Deng Keji	Jiang Genze
2-17	Second Prize	Shanghai University	Smart Household Doorkeeper	Ding Xiaoqing	Shi Yi	Shao Xinhui	Duan Jie

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2-18	Second Prize	University of Shanghai for Science and Technology	Interlearning Interaction - Intelligent English Early Education System	Xia Kun	Chen Kang	Wang Yue	Xing Yiqi
2-19	Second Prize	University of Shanghai for Science and Technology	Campus Artificial Intelligence Access Service System	Xia Kun	Fan Hongliang	Zhang Jie	Li Xiang
2-20	Second Prize	Wuhan University	Mind Acts Upon Mind - Smart Service Assistant Based on Speech Control	Chen Xiaoqiao	Liu Xinyuan	Guo Zonghao	Xu Bo
2-21	Second Prize	Wuhan University	Intelligent Social Assistant	Zhou Liqing	Hu Bingyu	Zhang Zurong	Guo Haowen
2-22	Second Prize	Wuhan University	Intelligent Probe Robot	Xie Yinbo	Liu Tangbo	Xu Feifei	Chen Hongjia
2-23	Second Prize	Xidian University	The Sound Eyes: An Auxiliary Device For Visually-Impaired People	Yang Gang	Gan Hailin	Hao Shuai	Chen Qiyuan
2-24	Second Prize	Northwestern Polytechnical University	A Smart Identify and Classify Vehicle System	Tang Chengkai	Ma Donghui	Zhou Hongli	Zhou Xiaotian
2-25	Second Prize	Zhejiang University	Clustered Artificial Intelligence Robot System	Zhang Kejun	Zhang Jie	Wang Zhicheng	Xia Yan
2-26	Second Prize	Central South University	Smart Writing and Painting Robot System	Ding Junnan	Chen Chulin	Hu Xuefeng	Li Lujun
3-1	Third Prize	Peking University	Privacy Safe Lost and Found Cabinet	Yang Yanjun	Yang Qinglong	Feng Cunguang	Yang Kaixin
3-2	Third Prize	Beijing University of Technology	Interactive Painting Early Education Robot	Wang Zongxia	Yuan Haitian	Chen Hanzhang	Ma Wenrui
3-3	Third Prize	Beijing University of Aeronautics and Astronautics	Object Recognition Based on Convolutional Neural Networks	Yang Xinxin	Peng Shuxue	Xie Wenbin	Sheng Zihao
3-4	Third Prize	Beijing University of Aeronautics and Astronautics	A Multimodal Recognition Control System Based on Brain Computer Interface	Ouyang Peng	Qiu Liaojun	Wu Hanlin	Chi Shangbo
3-5	Third Prize	Beijing University of Aeronautics and Astronautics	IOT Control System Based on EMG Sensor	Zhou Qiang	Tu Jun	Liang Zihao	Xie Ping
3-6	Third Prize	Beijing Jiaotong University	High Precision Laser Positioning Device	Zhao Xiang	Ma Rulan	Pu Liyuan	Zhang Yu
3-7	Third Prize	Beijing Institute of Technology	The Smile Hunter	Wu Qiongzhi	Xue Tianwei	Liu Haoxin	
3-8	Third Prize	Beijing Institute of Technology	Virtual Instruments	Wu Qiongzhi	Wang Siqiang	Chen Tianjie	Wang Chenhao

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3-9	Third Prize	Beijing University of Posts and Telecommunications	Know Your Emotions by Facial Expressions	Cui Yansong	Jiang Jinkun	Qiao Xin	Zhu Shenglin
3-10	Third Prize	Beijing University of Posts and Telecommunications	Language Learning System Imitating Baby	Cui Yansong	Zhu Zhezheng	Wu Hongkai	Jiang Zhelong
3-11	Third Prize	Changsha University of Science & Technology	Research and Design of Face Recognition System Based on Machine Learning	Bai Chuang	Zhang Yizhen	Luo Jiahui	Li Youpeng
3-12	Third Prize	Chengdu University of Information Technology	A Kind of Smart Indoor Positioning System for Children Containing Wearable Modules	Ling Weiwei	Xiang Boqiang	Zhang Kaixuan	Huang Junquan
3-13	Third Prize	Chongqing University	Intelligent Dustbin Based on Computer Vision	Fu Li	Yang Zhikai	Huang Yonggang	Cheng Xiaogui
3-14	Third Prize	Chongqing University	The Little Architect	Liu Ji	Tan Ziqian	Yu Zhirong	Huang Zilin
3-15	Third Prize	Dalian University of Technology	Museum Cultural Relics Introduction Trolley	Xu Zichuan	Zhang Yu	Chen Jiayi	Meng Huanuo
3-16	Third Prize	Dalian University of Technology	Metro Security Check Auxiliary System Based on Image Recognition	Xu Zichuan	Kong Lingjin	Yang Qichao	Yan Lineng
3-17	Third Prize	Donghua University	Sign Language Recognition Based on SEMG	Liao Xiaofei	Liu Yu	Yang Yi	Yuan Xiaoqing
3-18	Third Prize	Southeast University	Intelligent Delivery Robot	Yang Quansheng	Cai Jianyu	Cheng Qianya	Yang Hao
3-19	Third Prize	Fudan University	Intelligent Insole - Home Health Care Assistant	Chen Wei	Liu Da	Qiu Xinyi	Yan Ran
3-20	Third Prize	Fudan University	Autonomous wireless Charging System for UAVs	Feng Hui	Yuan Yuanyuan	Xia Xiao	
3-21	Third Prize	Harbin Institute of Technology	HiDog	He Shengyang	Li Xuan	Zhao Yuhao	Han Bo
3-22	Third Prize	Hainan University	VO-Noise Reduction Smart Sound Box Based on White Noise Masking Effect	Huang Mengxing	Huang Ao	Shao Zhentang	Zhang Xu
3-23	Third Prize	HangZhou Dianzi University	Safety Patrol Vehicle Based on ROS	Feng Tao	Cai Chengying	Meng Zhe	Hong Tao
3-24	Third Prize	Hohai University	Content-based Intelligent Internet Video Censoring System	Xie Zaipeg	Liang Jian	Zhang Shiwei	Fei Tianlu
3-25	Third Prize	Hohai University	Scene Configurable Industrial Inspection Surveillance Robot	Zhang Xuewu	Huang Yuanbo	Pang Zhike	Yang Yihang
3-26	Third Prize	East China Normal University	Driver's Eye-Aurmented Reality Driving Assistance System	Jin Yu	Luan Tian	Li Zhijian	Zhao Pengcheng

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3-27	Third Prize	South China University of Technology	Intelligent Pedestrian Re-identification System	Zhou Zhiheng	Chen Zengqun	Chen Geng	Wang Jiapeng
3-28	Third Prize	South China University of Technology	Intelligent Elderly Care Service IOT System	Qin Huabiao	Zhang Shen'ao	Wang Yufeng	Han Zongcheng
3-29	Third Prize	Huazhong University of Science and Technology	The Teaching Assists System	Yin Shi	Luo Xujia	Li Aobo	Wang Huangyin
3-30	Third Prize	Central China Normal University	An Accelerated Real-time Image Defogging System Based on FPGA	Xia Qiaoqiao	Tang Wangwang	Chen Wenjun	Ding Xiaoxia
3-31	Third Prize	Jilin University	Home Intelligent Service Robot	Qian Chenghui	Zhang Bosen	Gong Shanchao	Hou Tianyuan
3-32	Third Prize	Jiangnan University	Cargo Identification System on High Speed Conveyor Belt	Zhou Jun	Fan Qianlan	Pei Siyao	Zou Fu
3-33	Third Prize	Lanzhou University	All Terrain Intelligent Detection Car	Zhou Qingguo	Zhang Yunlong	Rao Xionfeng	Yin Benshun
3-34	Third Prize	Nanjing University	Portable Intelligent Medical Image Analyzer	Yuan Jie	Pu Zhiyuan	He Liulu	
3-35	Third Prize	Nanjing University	Elebot-An Intelligent Service Robot Which Is Capable of Elevator Ridding	Peng Chenglei	Guo Ruofan	Li Zhaoxu	Bai Jue
3-36	Third Prize	Nanjing University of Science & Technology	Panoramic Stitching and Environmental Moving Target Detection System	Xue Wen	Fu Chao	Li Fanyuan	Zhu Junhan
3-37	Third Prize	Nankai University	The Development of a FPGA-based Real-time Monitoring and Early Warning System for Campus Security	Sun Guiling	Wang Pengxiao	Zheng Xiangyu	Chen Yuge
3-38	Third Prize	Shanghai University	Intelligent Monitoring and Management System Based on MTCNN	Cao Shan	Hui Lanqing	Deng Wei	Liu Jihao
3-39	Third Prize	Shanghai University	MI-Based Rehabilitation Trainign and Evaluation System after CNS Injury	Lu Xiaofeng	Guo Guoxiang	Huang Zhenzhen	Huang Daoxu
3-40	Third Prize	ShanghaiTech University	Identify-aware Automatic Emotion Detection and Analysis System	Liu Chuang	Wang Xinchun	You Xiaowen	Zhang Jiakai
3-41	Third Prize	Shenzhen University	Magic Mirror	Pan Zhiming	Yao Weijian	Quan Ao	Su Danzhou
3-42	Third Prize	Sichuan University	A Children Educational Scissor-Cut Robot Based on Gesture Recognition	Meng Qingdang	Yang Hanqing	Wei Pengjin	Zhou Zihong

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3-43	Third Prize	Tongji University	ALL-SEEING EYES	Zhang Dongdong	Wang zijian	Zhang Hao	Yu Yang
3-44	Third Prize	Wuhan University	Music Studio	Huang Genchun	Wang Bishan	Deng Hui	Xiang Kexin
3-45	Third Prize	Xi'an University of Posts & Telecommunications	Snoring Killer-Smart Snoring-Monitoring System	Wang Xinhuai	Li Pengcheng	Wang Kailong	Wang Liuyin
3-46	Third Prize	Xi'an Jiaotong University	The mini cloud computing platform based on container	Wu Weiguo	Qu Bin	Kang Yifei	Liao Dong
3-47	Third Prize	Xi'an University of Science and Technology	Group Control System Based on Image Processing	Zhang Qi	Yue Wei	Li Kai	He Bailiang
3-48	Third Prize	Xi'an University of Posts & Telecommunications	"Battlefield Reporter" Robot	Wen Dushi	Qu Lang	Yue Xiaoyu	Sun Yuan
3-49	Third Prize	Northwest University	Feeling Free to Move-Intelligent Wheelchair	Xing Tianzhang	Yuan Sheng	Yang Qing	Gong Biyao
3-50	Third Prize	Northwestern Polytechnical University	Sound Source Detection System Based on Ground Cooperative Robots	Zhang Lingling	Wang Qiang	Tang Qian	Yang Baojian
3-51	Third Prize	Northwestern Polytechnical University	Yun Nong Intelligent Greenhouse Mangement System	Li Tao	Yao Jianhong	Wang Qiang	Yan Zenghui
3-52	Third Prize	Southwest Jiaotong University	Design of Magic Cube Robot	Xu Tu	Liu Yi	Huang Junhao	Li Yongshun
3-53	Third Prize	Southwest Jiaotong University	Happy Lock	Xu Tu	Wang Yingfeng	Xing Taotao	Long Xiaomei
3-54	Third Prize	Xiamen University	Light Show System Based on Mini UAV Cluster	Lin Hezhi	Zhang Shaochen	Jiang Junyi	Shi Qingzhou
3-55	Third Prize	Information Engineering University	OCR Text Recognition and Speed Synthesis Based on FPGA	Xu Zhijian	Li Xingyu	Wang Linfeng	You Hongyu
3-56	Third Prize	Zhejiang University	Deep-Learning Based Advertisement Accurate Delivery System Design	Wang Yuechai	Ou Yuefeng	Zhang Zhaoyang	Chen Junqin
3-57	Third Prize	Zhejiang University of Technology	ECG human body Physiological signal Monitoring System Based on Internet of Things	Gu Dongyuan	Liu Jian	Yao Zhongxiang	Li Tenhui
3-58	Third Prize	Central South University	Motion Matching Degree Judgment and Suggestion System Based on Depth Learning and Embedded Platform	Mao Xianbai	Liu Qiao	Wang Zhaoyang	Deng Kai

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3-59	Third Prize	Central South University	Intelligent Kitchen Management System based on Machine Learning	Li Fei	Ge Wei	Liu Andu	Su Rong