
Creative Engineering Design Competition

(CEDC2020)

Presentation & Evaluation

Program

Dec. 20. **8:00 - 15:10** (Beijing Time) / **9:00-16:10** (Tokyo Time)

Room A **8:00 - 11:30** (Beijing Time) / **9:00-12:30** (Tokyo Time)

Session 1 : A-1 ~ A-15

Room A **13:00 - 15:10** (Beijing Time) / **14:00-16:10** (Tokyo Time)

Session 1 : A-16 ~ A-24

Room B **8:00 - 11:30** (Beijing Time) / **9:00-12:30** (Tokyo Time)

Session 2 : B-1 ~ B-15

Room B **13:00 - 15:10** (Beijing Time) / **14:00-16:10** (Tokyo Time)

Session 2 : B-16 ~ B-25

Creative Engineering Design Competition

Session 1

No. **8:00 - 11:30** (Beijing Time) / **9:00-12:30** (Tokyo Time)

A-1	Smartphone application to create a healthy diet Park Sion, Ahn Ilki, Kim Gyeongho	CuBNU
A-2	Automatic ventilation device for solar toilet Zhang Zhongkui, Tan Xiufeng, Yang Yongqi, Zhang Xuemeng, Gao Shuo, Yu Zonghao, Tian Chongyong	WUST
A-3	Vital Choker Naoto Murakami, Yuji Mitsukawa, Eisuke Sata, Du Penghao	YU
A-4	The design of the obstacle-crossing robot with a stable working platform Dong An, Yixiao Yang, Yixin Zhao, Huaitao Shi	SJU
A-5	Intelligent self-tracing cars based on RT1064 and TC264 control system Yuetong Wang, Lin He	JSU
Break		
A-6	Air re-lowering device at air outlet of air conditioner Feng Dianguang, Sun Ximin, Bian Tiantian	SUCT
A-7	Hashtag Diary Changgwon Jo, Jaewon Chang, Seongho Oh, Yejin Park	CuBNU
A-8	Design of Wireless Environment Quality Detector based on MCU Zhang Zhongkui, Tan Xiufeng, Yang Yongqi, Zhang Xuemeng, Gao Shuo, Yu Zonghao, Tian Chongyong	WUST
A-9	3D Filament Recycler Juheon Lee, Seungwoo Lee, Sugwon Kang, Juryeol Ahn	IJU
A-10	Design and simulation analysis of a new bionic mechanical leg virtual model Jun Wang, Jintong Han, Kunchang Yang, Zhong Luo	NEU
Break		

A-11	Visual Active Evacuation Guidance System Using IoT Kim YongBeom, Yoo HoSeong	IJU
A-12	Multi-rotor linearly arranged aircraft Zhang Nian, Wang Dewei, Xie Yuxi	JSU
A-13	SMART(Stock Management Assistant for Refrigerator) Ryohei Takatuka, Akihiro Taoda, Hiroki Watanabe, JIN YANG	YU
A-14	Home Plant Intelligent Management Robot Jinbao Zhao, Yijian Zhao, Yixin Hou	SJU
A-15	They are unknown : medical virus game Hyeock Kim, Chanjin Lee, Juhyeong Jung, Junho Choi, Mi-Hye Kim	CuBNU
Lunch		
No.	13:00 - 15:10 (Beijing Time) / 14:00-16:10 (Tokyo Time)	
A-16	The automatic beverage maker Byeon jin gyu, Park Byung Joon, Lee seoung hyun, Kim sungsu, Ryu hyeong su, Kim gyeong ju, Park ju eun	IJU
A-17	Self-Balancing Robot Zhang Zhongkui, Chang Shenghao, Wang Xiangyu, Liu bo	WUST
A-18	Smartphone Charging and Sterilization with Fingerprint Recognition HoYeon Du, TaeYoung Han, SeokChun Jang, JunHyoung Yu	KNU
A-19	The use of automotive exhaust residual heat to generate electricity Yang Gao, Wenxin Wu, Ruifeng Wang, Haocheng Tong	SUCT
A-20	Coding Puzzle/OHKY minho yoon, joeun kim, taeyeon ha, bora ok	CuBNU
Break		
A-21	Smart Shoe Cabinet Cheng Li, Wenlin Luo, Shihe Zheng	SJU
A-22	Photocatalyst Composite Air Cleaner Changho Yoon, Insu Hwang, Mingyu Song, Seongmin Kim, Hajun Kim	KNU
A-23	Design of Intelligent Lock Control System based on Internet of things Zheng Fang, Linyu Yao, Taojun Li, Lincen Xiang, Ben Zhang, Tianhong Pan	AHU
A-24	Creating a dental review site for choosing a reliable dental clinic Oh Ji Hyun, Kim Hyo Hee, Kim Eun Jin, Kim So Hyun	CuBNU

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Session 2

No. **8:00 - 11:30** (Beijing Time) / **9:00-12:30** (Tokyo Time)

B-1	Bicycle Storage Station Hyeon Ji Lee, Hyeon Jung Kim, Ji Hyuk Woo, Jae Hyeon So	KNU
B-2	A Smart Car For Body Temperature Measuring Hai Wang, Chu Wu, Mengqi Jia, Kai Xue	JSU
B-3	Super Smart Aqua Ponics System Heung Woo You, Yeom Min, Seongbo Sim, Donggeun You, Hyung ki Kwon, Taekhun Gwon	IJU
B-4	Design of a New Detachable Multifunctional Household Electric Heater Zhai Yanchun, Li Shichen, Wang Shaoqing, Zhang Qiang, Zhang Song, Liu Zeng	WUST
B-5	Korean Practice Machine Geonhui Choi, Sanghyeop Park, Seockhun Bae, Seonghoon Kim	CuBNU
Break		
B-6	Development of a Portable Near-infrared Spectrum Detection System Hong Lin, Menghu Li, Yuqiang Li, Tianhong Pan	AHU
B-7	Lane and Traffic Signal Detection for Autonomous Driving Sung-Woon Jang, Jin-Seok Choi	KNU
B-8	Leakage Detection Device for Car Fuel Evaporation System Ren He, Xueqing Dong, Meng Wu, Jun Pu	JSU
B-9	RAFY net (Right And Fun Yoga net) Yuki Horikawa, Daigo Miyazaki, Yuki Hirozawa, ZHAO JIYAO	YU
B-10	Intelligent Watering Robot Jinbao Zhao, Dong Wang, Pengyu Yang, Yijian Zhao, Yixin Hou	SJU
Break		
B-11	Serious game of lung capacity Improvement purpose han hyeon ji, park so yeon, jo han saem	CuBNU
B-12	Design of Wireless Roll Call Device based on MCU Yan Yangyang, Li Chengxiang, Zhang Zhen, Yu Bangze, Han Qi	WUST

B-13	Drone Battery Storage Box Ah Lan Kim, Dae Yeong Kim	KNU
B-14	Research on vortex generator in helical channel based on fluid dynamics Li Yaxia, Yu Qingping, Shi Xiaohang, You Lan, Zhang Tianyi	SUCT
B-15	Manufacture of fermented rice wine using pear ferment extraction enzyme Yeanhwan Choo	IJU
Lunch		

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B-16	Growth_RPG Tae-Gyu Jang, Jeong-Mo Lee, Woo-Rim Song	CuBNU
B-17	Vector-rotor plant protection airship Huang Zhengyang, Chen Jiaqi, Wang Jiajun	JSU
B-18	Hyper Posing Cognicise Yuichiro Danda , Hidemitsu Arimura, Masatoshi Kuribayashi, Liu Xiao	YU
B-19	Innovative Research on Engineering Practical Teaching of Construction Industrialization Under the Background of New Engineering TONG Shenghao, SHI Huaitao, TAN Zhiwen	SJU
B-20	Non-contact wafer transfer system using air pressure Jaesoo Kim, Seongchan Bae, Yeonseung Jeong	IJU
Break		
B-21	Single Track Automatic Sprayer Su Jianmin, Wang Guanqin, Fan Yaping, Wang Guanqin, Ji Xingwei, Bian Tianliang, Zhao Bintong	WUST
B-22	Farming Story Lee sieun, Shin jiae, Son jihyun	CuBNU
B-23	Intelligent medicine reminder auxiliary device Hui Haixu, Jing Qingyu, Duan Xingchen	NEU
B-24	Rotor Stack Calculation Software Zhang Wei, Zhang Mingdong, Du Shuangyan	DUT
B-25	Training assistant RPG game Lee dohee, Yoon soyoung, Lee jeeun, Kang juhyeong	CuBNU