

# 2018

東元國際創意競賽  
TECO International Contest

# Green Tech

## International Team List

No.	Work	School	Member	Name	Department
INTL01	Screening adsorbents for toxic gas capture: accelerated discovery of high-performing MOFs for formaldehyde removal	Huazhong University of Science and Technology (中國大陸華中科技大學)	Professor	Li Song	Thermal Energy and Power Engineering
				Liu Zhe	
			Leader	Liu Hao	
			Member	Meng Ziding	
				Zhuang Xudong	
				Ai Xin	
	Liao Weiwei				
	Liu Xiaowei				
INTL02	Homogeneous multi-function fuel cell	Yuan Ze University (台灣元智大學)	Professor	Chung Kuo Pin	Mechanical Engineering
			Leader	Chang Huai Chien	
			Member	Yang Kai Hung	
INTL03	A Sustainable Approach to The Valorization of Waste Sludge as Commodities	Hong Kong University of Science and Technology (香港科技大學)	Professor	Hao, Tianwei	Department of Civil and Environmental Engineering
			Leader	Zeng, Qian	
			Member	Xue, Weiqi	
				Zan, Feixiang	
		LI, Xilin			
		University of Macau (澳門大學)		Zhong, Fangyuan	

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INTL04	Leaf for Life—Deciduous powder 3D printer	Zhejiang University (中國大陸浙江大學)	Professor	Gao, Xiang	School of Energy Engineering
				Zheng, Chenghang	
			Leader	Guo, Wenguang	Energy and Environment System Engineering
			Member	Jiang, Chenwei	Electrical Engineering and its Automation
				Feng, Tongshuai	Mechanical engineering specialty of Mechanical Engineering College
				Wang, Jun	Energy and Environmental System Engineering
				Zhang Linlu	Department of Economics Industrial Design
Xu Yang					
Xuan, Mengda	Polymer science and Engineering				
INTL05	SinoFloc	Qingdao University of Science and Technology (中國大陸青島大學)	Professor	Liu Jian Bo	Environmental Engineering
		Hong Kong University of Science and Technology (香港科技大學)	Leader	Bie Xin Yu	IBTM
			Member	Zhang Zhi Bing	M.Eng
		Wuhan University (中國大陸武漢大學)		Member	Yip Kai Wing
Sun Zi Qi	Administration Management				

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INTL06	New Eco-friendly Battery	Peking University (中國大陸北京大學)	Professor	Huang, Guan	Peking University Communist Youth League Committee
				Shi, Yunjia	
			Leader	Yao, Junchao	School of Government
			Member	Li, Chubing	School of Foreign Languages
				Huang, Dubing	School of Earth and Space Science
INTL07	Self Energy Supply Mobile Pyrolysis Machine for On-site Conversion of Agricultural Straw to Bio-fuel and Bio-char	Shanghai Jiao Tong University (中國大陸上海交通大學)	Professor	Liu Ronghou	School of agriculture and biology
				Ye Jinghua	Science park
			Leader	Chai Meiyun	Department of Resources and Environment
			Member	Wang Guangming	Antai college of Economics and Management
				Yuan Fanghao	Department of Food science and Engineering
				Ma Zhao	School of mechanical engineering
INTL08	Research and Development of Greenwind Nano Ventilation Machine	Nanjing University (中國大陸南京大學)	Professor	Mao, Liang	Environment Science
			Leader	Zhai, Li	
			Member	Guo, Jing	
				Li, Qingchao	Environment Science and technology
				Liu, Xiaokai	
Zhang, Xiangrui	Department of mathematics				

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INTL09	Largely lowered transition temperature of VO <sub>2</sub> /carbon hybrid phase change material with good near infra-red regulations	Nanyang Technological University (新加坡南洋理工大學)	Professor	Long Yi	School of Materials Science and Engineering
			Leader	Wang Shancheng	
			Member	Zhou Chengzhi	
				Zhou Yang	
INTL10	Fantastic Battery- Industrial Preparation of Ultra-high-performance Silicon Carbon Anode	Fudan University (中國大陸復旦大學)	Professor	Yang Xin	Department of Environmental Science and Engineering
			Leader	Tang Zheren	
			Member	Xu Xiaoya	
				Li Junyi	Department of Materials Science
				Zhang Yu	Department of Macromolecular Science
			Goh Li Ying	School of Basic Medicine	
INTL11	Asphalt-based hyper-cross-linked polymers ( AHCPs )	Xiamen University (中國大陸廈門大學)	Professor	Li Lei	Material Science And Engineering
				Du Chao	
			Leader	Deng Xinyu	
			Member	Song Jiepeng	
				Ji Sibe	Finance
				Fu Yifei	Statistics

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INTL12	Green Purifiers	Hong Kong University of Science and Technology (香港科技大學)	Professor	Leung, SukWai Winnie	Integrated Systems and Design Department
				Li, Zexiang	Department of Electronic and Computer Engineering
			Leader	Xiong, Kun	Electrical Computer Engineering
			Member	Mishra Saurabh	Business School Marketing
		Beijing University of Aeronautics and Astronautic (中國大陸北京航空航天大學)		Member	Wang, Xianyong
		Xiao, Yao			
INTL13	Patterned Conductive Textile Triboelectric Generator for Powering Portable Electronics	National Chung Cheng University (台灣中正大學)	Professor	Jeng, Yeau-Ren	Mechanical Engineering
			Leader	Andrew E. Mendy	
			Member	Lin, YiPan	
				Liang, Jhih-Hao	
INTL14	Clean energy drives the future: Design of photovoltaic-fuel cell-battery hybrid electric vehicle and its mini test platform	Chongqing University (中國大陸重慶大學)	Professor	Zhang, Caizhi	Automobile Engineering
			Leader	Huang, Zhiyu	
			Member	Zeng, Tao	
				Ma, Ronghong	
				Liu, Mingtao	

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INTL15	Development of Green Muffler	DaYeh University (台灣大葉大學)	Professor	Deng, Jyh Jeng	Dept. of Industrial Eng. and Management
			Leader	Lin, Teng-Hsuan	Dept. of Environmental Eng.
			Member	Chen, Yung Yun	Dept. of Industrial Eng. and Management
				Liu, You-Cheng	Dept. of English
				Ye, Ting-Ruei	Bachelor Program of Green Product Design
INTL16	Reactive Oxygen Species Sensor for Portable and Online Detecting	University of Chinese Academy of Sciences (中國大陸中國科學院大學)	Professor	Cao, Hongbin	Institution of Process Engineering
				Liu Chenming	
				Zhao, He	
		Leader	Wang, Wenbo	School of Chemical Sciences	
		Member	Shen, Jiao	College of Life Sciences	
			Li, Zehui	School of Environment	
INTL17	Towards a Cleaner Future: An artificial photosynthesis system converting CO2 to renewable fuels	Fudan University (中國大陸復旦大學)	Professor	Zheng, Gengfeng	Laboratory of Advanced Materials; Department of Chemistry
				Qian, Linping	Department of Chemistry
			Leader	Liu, Junlang	
			Member	Shen, Hao	
				Wang, Yifei	
				Wang, Qihao	
				Gu, Zhengxiang	Laboratory of Advanced Materials

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INTL18	Intelligent Traffic Surveillance System for Managing Electricity Usage	National Taiwan University of Science and Technology (台灣科技大學)	Professor	Guo, Jing Ming	Electrical Engineering
			Leader	Markoni Herleeyandi	
			Member	Lee, Hao Hsuan	
INTL19	SG boat	Lomonosov Moscow State University (俄羅斯國立莫斯科大學)	Professor	Marat Dosayev	Institute of Mechanics
				Liubov Klimina	
			Leader	Andrei Holub	
			Member	Anna Masterova	
				Mikhail Harbuz	
	Dosaeva Diana	Faculty of History			
INTL20	Micro PC	Chung Yuan Christian University (台灣中原大學)	Professor	Jiang Jeng-Jie	Environmental Engineering
			Leader	Hung Yi-Jou	Department Of Applied Linguistics and Language Studies
			Member	Liu Ting-Hsuan	Department Of International Business
				Ciou Shen-Fu	Mechanical Engineering

Adviser Ministry of Education

指導單位 教育部

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