

## Winners of Professor Charles K. Kao Student Creativity Awards 2017

Award	Winner	Supervisor	Project Name
<b>Undergraduate Individual</b>			
Champion	CHENG Hiu Yee (Biomedical Engineering)	Prof. LAU Tat Ming Darwin	Easy-to-Produce Functional Robotic Prosthetic Finger Driven by Human Intention
First Runner-up	CHENG Hung Hon (Mechanical & Automation Engineering), YIP Hang Man (Biomedical Engineering)	Prof. LAU Tat Ming Darwin	EMG-driven Exomuscular Cable-robot for Targeted Shoulder Rehabilitation
Second Runner-up	CHAN Ka Ian (Biomedical Engineering)	Prof. LIAO Wei Hsin	Knee Rehabilitation Healthcare Device
<b>Undergraduate Group</b>			
Champion	CHAN Ngo Foon, LEE Ka Fai, CHAN Ngo Ming (Mechanical & Automation Engineering)	Prof. GUO Ping	Multicolor Fused Deposition Modelling FDM Printing: An Application of Fused Multi-Filament Method
Second Runner-up	CHAN Yuen Shan, MA Fei Yeung Matthew, MOK Ching Wah (Mechanical & Automation Engineering)	Prof. LAU Tat Ming Darwin	Spiderbot - Cable Driven Robot and Robot Arm System
Second Runner-up	TING Sin Hang, POON Mong Wah, YIP Kin Chiu, LEUNG Wai Man (Mechanical & Automation Engineering)	Prof. LAU Tat Ming Darwin	Cable-driven Robot for Large-scale On-site 3D Printing of Concrete Structures

Award	Winner	Supervisor	Project Name
<b>Postgraduate Individual</b>			
Champion	GAO Fei (Mechanical & Automation Engineering)	Prof. LIAO Wei Hsin	Smart Prosthesis for Below-knee Amputees
First Runner-up	WANG Ji (Mechanical & Automation Engineering)	Prof. CHEN Shih Chi	Flexure-based Vibrating Blade Microtome for High-resolution Brain Imaging
Second Runner-up	FENG Qian (Biomedical Engineering)	Prof. BIAN Liming	A Robust and Thermoplastic Supramolecular Gelatin Hydrogels for Tissue Engineering and Regenerative Medicine
Merit	LEE Hiu Hung, WANG Dongping (Mechanical & Automation Engineering)	Prof. CHEN Shih Chi (Co-supervisor)	高分辨率、高靈敏度的便攜式光譜儀的研發
Merit	DANG Xiaobing (Mechanical & Automation Engineering)	Prof. DU Ruxu	Incremental Bending of Three-Dimensional Free-Form Metal Plates Using Minimum Energy Principle and Model-Less Control
<b>Postgraduate Group</b>			
Champion	WANG Dien, WEN Chenyang, CHANG Yina, LEE Hiu Hung (Mechanical & Automation Engineering)	Prof. CHEN Shih Chi	3D Metal Printing Based on Parallel Femtosecond Laser Machining and Electrodeposition