

Collaborative Research Project Grant		
Project Title	Project Coordinator	Amount Awarded (HK\$)
Smart self-adaptive shearing interferometry for wavefront optical characterization	Prof CHEUNG Chi-fai Benny Department of Industrial and Systems Engineering - in collaboration with CityU, CUHK	\$4,267,120
Subambient Daytime Radiative Cooling Coating for Energy-Efficient Building Envelope	Prof DAI Jian-guo Department of Civil and Environmental Engineering - in collaboration with CityU, HKU	\$5,384,413
Sonogenetics for specific deep neural circuit modulation and mitigation of Parkinsonian mice	Prof SUN Lei Department of Biomedical Engineering - in collaboration with CityU, HKUST	\$7,152,840
Transmission of antimicrobial resistance from hotspot sources to occupational populations and urban communities	Prof LI Xiang-dong Department of Civil and Environmental Engineering - in collaboration with CityU, HKU	\$8,709,120
iFactory: Cyber-Physical Factory that Mass Customizes Products	Prof HUANG Guo-quan George Department of Industrial and Systems Engineering - in collaboration with CityU, HKU	\$6,271,840

Collaborative Research Equipment Grant (CREG)		
Project Title	Project Coordinator	Amount Awarded (HK\$)
Hong Kong Coastal HF-Radar Network	Dr Alessandro STOCCHINO Department of Civil and Environmental Engineering - in collaboration with CityU, HKUST	\$8,000,000

CRF Young Collaborative Research Grant (YCRG)		
Project Title	Project Coordinator	Amount Awarded* (HK\$)
Coastal Urban Flooding under Climate Change: Evolution Mechanisms and Intelligent Analysis	Dr DUAN Huan-feng Department of Civil and Environmental Engineering - in collaboration with HKUST, HKU	\$4,133,507

[Collaborative Research Fund \(CRF\) 2022/23 Funding Results](#)

2022/23 年度協作研究項目		
項目名稱	項目管理人	總資助金額 (港幣)
用於波前光學表徵的智能自適應剪切干涉測量技術	張志輝教授 工業及系統工程學系 (合作院校：城大、中大)	\$4,267,120
用於節能建築圍護結構的亞環境日間輻射冷卻塗層	戴建國教授 土木及環境工程學系 (合作院校：城大、港大)	\$5,384,413
深層神經迴路精準聲遺傳調控技術的開發及其在帕金森病治療上的應用	孫雷教授 生物醫學工程學系 (合作院校：城大、科大)	\$7,152,840
微生物耐藥性從熱點源傳播到職業人群和城市社區	李向東教授 土木及環境工程學系 (合作院校：城大、港大)	\$8,709,120
大批量訂製工業 4.0 智能工廠核心技術和創新方法	黃國全教授 工業及系統工程學系 (合作院校：城大、港大)	\$6,271,840

2022/23 年度協作研究設備補助金		
項目名稱	項目管理人	總資助金額 (港幣)
香港沿海高頻雷達網絡	Alessandro STOCCHINO 副教授 土木及環境工程學系 (合作院校：城大、科大)	\$8,000,000

2022/23 年度新進學者協作研究補助金		
項目名稱	項目管理人	總資助金額 (港幣)
氣候變化影響下的沿海城市洪災演化機理與智能分析	段煥豐副教授 土木及環境工程學系 (合作院校：科大、港大)	\$4,133,507

[協作研究金: 2022/23 年度撥款結果](#)