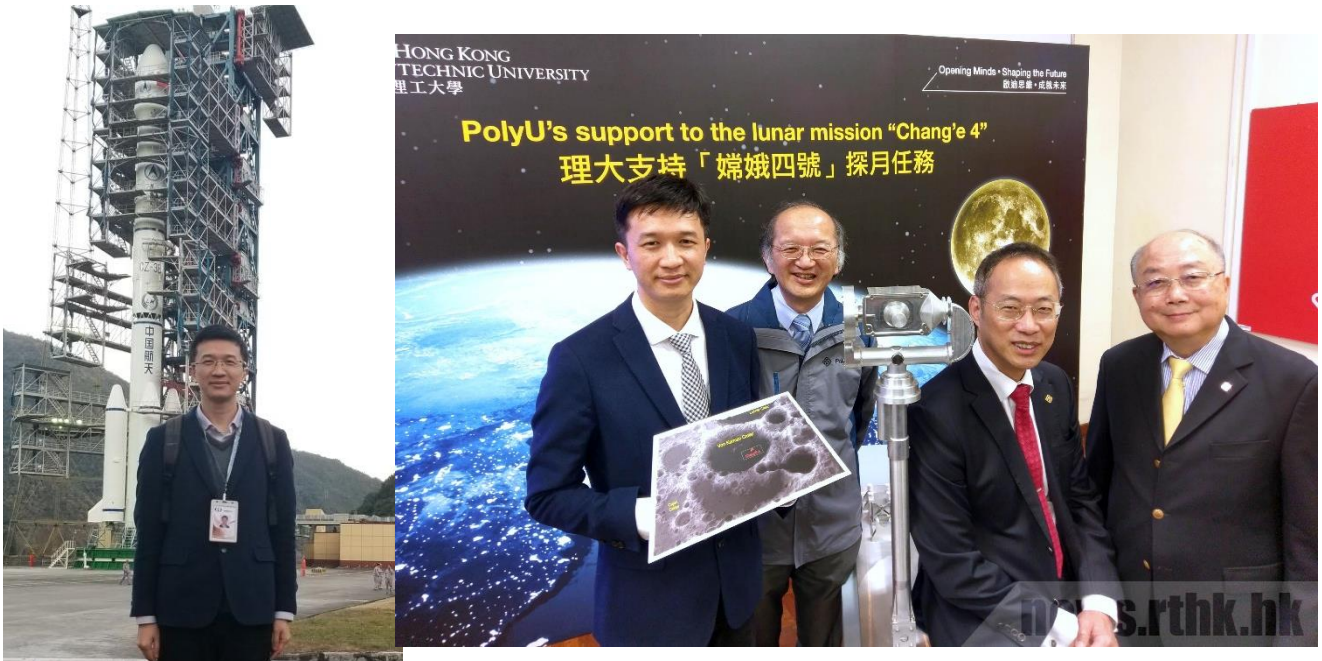


LSGI Scholars support the nation's lunar probe



China's Chang'e-4 lunar lander and rover was successfully launched on 8 December 2018, becoming the first to land on the far side of the moon. It successfully performed the historic landing on the far side of the Moon on 3 January 2019. Facilitating this mission was the research of Dr Bo Wu, Associate Professor of the Department of Land Surveying and Geo-Informatics (LSGI), who led a 10-member team on a project titled "Chang'e-4 Landing Site - Topographic and Geomorphological Characterisation and Analysis." Funded by the China Academy of Space Technology since March 2016, the team amassed a large amount of lunar remote sensing data from multi-sources to create high-precision and high-resolution topographic models at the northwestern South Pole-Aitken basin on the far side of the moon, a potential landing region for the Chang'e-4. They then analysed in detail the terrain slopes, terrain occlusions to sun illumination and telecommunication, crater distribution, rock abundances, and geological history of the region. These analyses helped the team to put forward a sound and evidenced-based proposal of possible landing sites. A press conference was held on 14 Jan 2019 and a wide coverage by local media was received.

Press releases:

PolyU develops state-of-the-art tool and technology to support the nation's lunar probe

https://www.polyu.edu.hk/web/en/media/media_releases/index_id_6605.html

PolyU provides multi-disciplinary support to the nation's historic landing on the far side of the Moon

https://www.polyu.edu.hk/web/en/media/media_releases/index_id_6613.html

Media Coverages:

15/1/2019

- Metro Daily 理大參與「[嫦娥](#)」登月 相機指向系統助探索
- Sky Post 理大系統助[嫦娥四號](#) 登陸月背
- Am730 「[嫦娥四號](#)」登月球背面 理大助研相機指向系統
- Headline 開發相機測繪地貌 理大參與「[嫦娥四號](#)」登月
- Hong Kong Commercial Daily [協助分析測繪探測器著陸點 理大系統助「嫦娥四號」攝月背](#)
- Lion Rock Daily [理大科研兩團隊 嫦娥四號登月助建功](#)
- Wen Wei Po [香港科研力量貢獻國家 推動「再工業化」/ 等足半日畫面少 睇着陸「悶足一日」/ 探月背後 港人幫眼](#)
- Oriental Daily [理大參與征空任務 月球薯仔種子已發芽](#)
- Sing Tao Daily [理大團隊研發系統助嫦娥四號探月](#)
- Ming Pao [理大 AI 技術 助嫦娥避坑降月背 電腦自動分辨 40 萬撞擊坑 找着陸點](#)
- The Standard [Camera whizzes over the moon](#)
- SCMP [Critical roles played by Hong Kong researchers on China's Chang'e 4 mission to far side of the moon](#)

14/1/2019

- TVB News [嫦娥四號登陸月球背面 理大兩團隊參與探月任務 <http://bit.do/eJfN5>](#)
- Rthk.hk [嫦娥四號月球探測器成功著陸 理大研發系統獲應用 <http://bit.do/eJfPv>](#)
- 881903.com [嫦娥四號登月任務採用理大多項科技成果 <http://bit.do/eJfQi>](#)
- HK01 [【嫦娥四號】理大開發「相機指向系統」 協助拍攝月球圖像](#)
- ON.CC [理大儀器登月助拍圖像 相機指向系統可反射輻射熱量 <http://bit.do/eJfQF>](#)
- HKCNA [“嫦娥”登月的成功背後 香港理工大學貢獻了這些新科技 <http://bit.do/eJfQR>](#)

4/1/2019

- AM730 [完成探月工程第二步 嫦娥四號月背著陸 <https://goo.gl/NGyW37>](#)

9/12/2018

- Oriental Daily [嫦娥四號升空 將登陸月球背面 <https://goo.gl/GzGcVr>](#)
- Sing Pao [理大研發尖端技術支持探月項目 <https://goo.gl/VwWG3K>](#)
- Wenwei Po [理大團隊再出征 國家探月作貢獻 <https://goo.gl/Kh6SWF>](#)
- HKCD.com [理大研助「嫦娥四號」首登月球背面 <https://goo.gl/5Bupsj>](#)

30/11/2018

- Nature [China set to launch first-ever spacecraft to the far side of the Moon <https://www.nature.com/articles/d41586-018-07562-z>](#)