



**Land Surveying Division**  
Sr Paul Tsui | LSD Council Chairman

## Young Surveyors are Our Future

In July, I attended three youth events related to geospatial data science and land surveying. They were the Young Scholar Award (YSA) Ceremony of Esri China (HK), CSDI Award Ceremony, and HKIS Scholarship 2023 cum Outstanding Dissertation Awards 2022 Presentation Ceremony.

At the first two events, I saw many outstanding and innovative works using GIS technology and open geospatial data by university students studying land surveying and geospatial data science-related subjects, as well as by young land surveying professionals. The project title of the 2023 YSA Champion, Mr Evan Cheung, is “A Walk to Remember – Measuring Objective Walkability with Environmental Considerations in Hong Kong”. Evan used 3D Pedestrian network data from GIS’s CSDI and network analysis capabilities to map the walkability of a place by taking environmental factors into account. He presented his award-winning project to over 20,000 international GIS users at the Esri User Conference 2023 held in San Diego, California in July as a Hong Kong representative. Evan will be invited as a guest speaker at the upcoming LSD Annual Conference 2023. If you want to see him discuss his work live, please join the conference.

The title of the winning project in the CSDI Award Open Group is “To BAND or to BAN – Envisioning Street Performance Scenes in Hong Kong” by a group of part-time coursework master’s students. Busking will be an indispensable activity if Hong Kong is to develop into a global arts and cultural hub. Street performers also play a crucial role in the city’s cultural development. But Hong Kong is a very crowded place and finding suitable places for buskers that won’t inconvenience pedestrians or disturb nearby residents and businesses is challenging.

This group of young geospatial professionals approached this problem using geospatial thinking. They utilised CSDI data and GIS suitability analysis to select and rank sites based

on their suitability for busking – but without disturbing others too much.



Ms Doris Ho, Permanent Secretary for Development (Planning & Lands), Development Bureau, HKSAR Government (Middle), presents an award to the winning team in Cat 4 of the CSDI Award 2023.

Furthermore, I met teachers and a group of outstanding students from PolyU’s Department of Land Surveying and Geo-informatics (LSGI) at the HKIS Scholarship 2023 cum Outstanding Dissertation Awards 2022 Presentation Ceremony. I am very glad to see that LSGI won the Top and Merit Awards for the Master’s Category of Dissertation/Thesis Awards for Postgraduate Students.



Dr Wallace Lai, Associate Head (Teaching), and Winning Students from LSGI at the HKIS Scholarship 2023 cum Outstanding Dissertation Awards 2022 Presentation Ceremony

I recall a statement made by President Xi Jinping during his last visit to Hong Kong:

「青年興，則香港興；青年發展，則香港發展；青年有未來，則香港有未來」

Undoubtedly, youth is the future. In the surveying profession, young land surveyors and geospatial

professionals are very crucial to the continuous development of the industry. I hereby encourage young professional and probationer members to actively join the activities of their divisions and the Institute. If you want to go one step further by contributing to the LSD, you are very welcome to join the LSD Council to serve your fellow members. Please contact us at [lsd@hkis.org.hk](mailto:lsd@hkis.org.hk).

Finally, Mickey shared his observations of surveying professionals' shortcomings and how to encourage more young people to pursue surveying careers. He envisioned the promising role land surveyors can play in the Earth observation industry.

## CPD Highlights

### “Conquering New Frontiers: Key Takeaways from FIG Working Week 2023”

On 26 July, Sr Mickey NG shared a CPD on his observations and experiences gained from attending the International Federation of Surveyors (FIG) Working Week 2023. It was held in Orlando, Florida, USA, from 28 May to 1 June.



Source: Planet Lab

Environmental & Emergency Services

The subsequent Q&A session was chaired by LSD Council member Sr Ricky Cheung. This CPD successfully ended after a fruitful discussion on the role of young surveyors worldwide and how the profession can attract more people.



First, Mickey shared stories of the making of Disney World in Orlando with a focus on the involvement of surveyors. Next, he introduced his technical visit to the National Oceanic and Atmospheric Administration's Aircraft Operation Center. Following that, he presented his conference keynote speech, “Unlocking the XYZ Values”.



### Day 2 - Plenary Session

**Conquering New Frontiers:**  
Our perspective across outer space, technology and generations

Tim Bruch

Get Kids into Survey

Mickey Ng

Unlocking the XYZ Values

Bryn Fosburgh

Is the New Frontier AI, Digital Twins and the Metaverse

Russell Romanella

NASA - Exploration for our Future