



# *Global Surveyors' Day Distinguished Lecture*

## *Geo-services: Future of Geomatics*

**Date:** 21 Mar 2022 (Mon)

**Time:** 6:30 - 8:00 p.m.

**Venue:** Online @ zoom

**Language:** English



**Prof. Wu CHEN**

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### **Bio:**

*Professor Wu Chen received his BSc from Chinese University of Science and Technology (1982), MSc from Institute of Geodesy and Geophysics, Chinese Academy of Sciences (1985), and PhD from University of Newcastle Upon Tyne (1992). From 1992-2000, he worked at the Institute of Engineering Surveying and Space Geodesy, University of Nottingham. He joined at Department of Land Surveying and Geo-Informatics, Hong Kong Polytechnic University in 2000, and is currently professor and head of department. Prof Chen started GPS related research in 1985 and have participated more than 60 projects related to GPS related research and published more than 400 papers in international journals and conferences. Recently, Prof Chen research concentrates on urban positioning infrastructure development, using multiple constellation GNSS (including Chinese Beidou system) and other sensors to provide solutions for the seamless positioning services in dense urban areas.*

### **Abstract:**

*Geomatics is defined as the discipline concerned with the collection, distribution, storage, analysis, processing, presentation of geographic data or geographic information, which is evolved from traditional surveying and mapping profession. In past few decades, we have seen the dramatic development in geomatics, with the impact of information technologies. For example, the global geo-reference system and high precision positioning are provided by GNSS technologies, whereas the geospatial data are managed by advance GIS systems. Currently, geomatics technologies have become one of the main pillars to support new economic development, such as autonomous machine, data science and big data technology, and smart city.*

*In this presentation, the recent development of geomatics technologies will be reviewed. The contributions of geomatics technologies in ubiquitous positioning/sensing, together with AI and big data technologies will be discussed. The technological challenges for developing the full potential of such intelligent systems are also addressed.*

**All are welcome. To register, please [click here](#) for the details.**

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