

Exploration of Ubiquitous Mapping in Engineering Practice Curriculum System of Universities in the Intelligent Age

Wei Li, Xukang Xie, Pengcheng Gao, Qianwen Wang and Xiaohang Wang (China, PR)

Key words: Bridge surveying; Cost management; Curricula; Deformation measurement; Education; Engineering survey; Low cost technology; Mine surveying; Professional practice; Quantity surveying; Reference systems; Standards; Young surveyor; Ubiquitous Surveying and Mapping; New Road Exploration; Platform Construction; Epidemic Application

SUMMARY

In the current era of digital surveying and mapping towards intelligent surveying and mapping, the proposal of ubiquitous surveying and mapping has brought many opportunities and challenges. With the development of ubiquitous surveying and mapping, the current engineering practice courses in colleges and universities urgently need to respond to the slogan of ubiquitous surveying and mapping and improve the traditional. Some shortcomings in surveying and mapping. This exploration allows college engineering practice courses to integrate new ideas of ubiquitous surveying and mapping, using Android, B/S, and C/S three modes to build a platform, incorporating cutting-edge data processing related knowledge such as gravity measurement. Cultivating surveying and mapping talents put forward some new ideas, and also provided new ideas for surveying practice courses in the context of the epidemic.

Exploration of Ubiquitous Mapping in Engineering Practice Curriculum System of Universities in the Intelligent Age (11285)

Wei Li, Xukang Xie, Pengcheng Gao, Qianwen Wang and Xiaohang Wang (China, PR)

FIG Congress 2022

Volunteering for the future - Geospatial excellence for a better living

Warsaw, Poland, 11–15 September 2022