Some Considerations on the Potential Impact of Artificial Intelligence for Surveyors' Work

Hartmut Mueller (Germany)

SUMMARY

Artificial intelligence (AI) simulates human intellect to enable machines to perform specific tasks better than humans and to emulate human actions. AI can already perform basic tasks without human intervention, store existing data, and produce better results from these data. In the future, advanced AI machines may be able to connect with and better interpret human thoughts. While still very hypothetical, future AI's could be smarter than the human mind in some areas. Surveying is closely linked to technological progress. It is expected that the work of surveyors will continue to be affected by new technologies in the coming years, very much like in previous decades. The contribution starts from the surveyor 2.0 model, which defines the surveyor 2.0 framework: manage, measure, model. The different functions of a surveyor 2.0, such as knowledge manager, land professional, geodesist, information manager, data acquirer, system designer, field officer, quality manager will be briefly presented. This is followed by some reflections on the extent to which the various functions will likely be changed or even replaced by the influence of Artificial Intelligence in the years ahead.

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FIG Working Week 2023
Protecting Our World, Conquering New Frontiers
Orlando, Florida, USA, 28 May–1 June 2023