MMT: Classical Principle
State-of-the-Art Implementation

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Abstract

Mobile mapping is a state-of-the-art technology, which is an essential materialization of geomatic integration. Although MMT is emerging, the principle is classical. Thus, this presentation is to bear analogy to the cutting edge technology with an old one, i.e., plane table surveying, which has been practiced for more than four hundred years. The MMT status in Taiwan will also be given.

First of all, the major components of MMT in terms of sensors, platforms/communication, and processing/database are to be reviewed. Then, some application examples will be given. The next part quickly goes through the procedure of the plane table surveying followed by the analogy/comparison with respect to the MMT. I will also report a survey on the MMT status in Taiwan. The first part of the survey gives the research statistics of MMT algorithms derived from the Ph. D and Master thesis data base in Taiwan. The second part states the system developments and services both in the industrial and academic units. Some observations based on the statistics will also be analyzed. Finally, suggestions will be given in the concluding remarks.