



## **Monitoring of dynamic movements of Hans glacier control points using Smart Station**

M. Wozniak, A. Adamek

Warsaw University of Technology, Faculty of Geodesy and Cartography  
(m.wozniak@gik.pw.edu.pl)

The paper presents the results of investigations on the Hans glacier on Svalbard. The Arctic conditions required the application of very specific surveying technology to make surveys of displacements of extensive and fast changing object. The technology that was implemented should join observations made on extended areas (GPS) with classical observations of high precision. The Smart Station equipment which has been used to execute the experiment of monitoring of dynamic movements of a group of points situated on the Hans glacier fulfills this requirements. The surveys (quasi - continuous) were conducted in a period of three days. The paper contains the results of surveys as well.