



## **Using portfolio assignment to support students individually and sustainably –There's always a first time**

M. Mayer

Geodetic Institute, Karlsruhe University (TH), Germany. mmayer@gik.uni-karlsruhe.de

The recent education of engineers, using the example of satellite geodesy at the Geodetic Institute of the University Karlsruhe (GIK, Germany), is still suffering from time pressure as well as from heavy curriculum content loading. Within this education students, where the academic teachers have to fulfill high requests from the new generation of students as well as from industry and from research institutions respectively, advanced satellite geodetic knowledge has to be transferred effectively and sustainably.

In order to enable the students to train newest aspects related to satellite geodesy as well as important key competences, e.g. capacity for independent and academic work, reflection and evaluation skills, presentation skills, an innovative teaching concept was developed, tested, and evaluated. This teaching concept makes use of very different teaching techniques like portfolio assignment, project work, input from experts, jig saw, advance and post organizer.

This presentation will focus on the portfolio assignment component. This teaching technique was used at the GIK during the last two years for the first time, in order to support students individually. The lessons learnt within this teaching experiment are going to be presented.