



## ABSTRACTS

### 11. Roxana Augustina Stanescu, Florin Nache, Cornel Paunescu: *Vertical and horizontal displacement monitoring at Poiana Marului dam*

*This study presents the main steps that are needed in order to realise the monitoring of hydrotechnical constructions. The subject of this study is the Poiana Marului dam, situated on the Bistra Marului River.*

*The geometric levelling and also the microtriangulation and microtrilateration topographical measurements on the dam were made in two stages, at a six months interval. All these measurements represents the only external verification that emphasize, with a high accuracy level, the vertical and horizontal displacements that occur in the structure of the dam.*

#### Organisers



Technical University of Civil Engineering Bucharest  
**Faculty of Geodesy**



#### Partners



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