

**XXVIII INTERNATIONAL SYMPOSIUM ON
MODERN TECHNOLOGIES, EDUCATION AND PROFESSIONAL PRACTICE
IN GEODESY AND RELATED FIELDS**

Sofia, 08 - 09 November 2018

**CREATING DIGITAL PHOTOGRAMMETRIC MODEL
IN UNDERGROUND MINE**

**Veselina Gospodinova, Peter Georgiev,
Pavel Ivanov (BG)**

SUMMARY

A study was conducted that presents a photogrammetric capture in "Erma reka" underground mine for lead - zinc ore. The aim of the study is to explore the possibilities for generating a digital model of section of the horizontal drift that can serve to solve various mine surveying tasks. Artificial lighting and a digital camera were used. The results obtained are analyzed.

Key words: underground mine, close-range photogrammetry, digital model, volume calculation

AUTHORS:

Assis. Prof. Dr. Eng. Veselina Gospodinova
University of Mining and Geology „St. Ivan Rilski”
e-mail: veselina_gospodinova80@abv.bg

Eng. Peter Georgiev
e-mail: georgiev.peter1@gmail.com

Pavel Ivanov
e-mail: mrivanov780@gmail.com