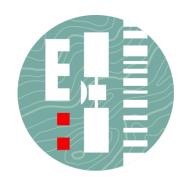# Department of
Surveying and Geoinformatics
Wroclaw University of Science and Technology

Cordially invites you to our Seminar on

Spatio-Temporal Analysis of Accidents in Underground Mine Using GIS:
Case Study of Kozlu Hard Coal Mine, Turkey

Presenter: Mgr inż. Pınar Eksert
Geomatics Engineering Department
Hacettepe University, Ankara, Turkey

Friday, October 14th, 2021, 9:00AM
Venue: ZOOM platform: https://pwr-edu.zoom.us/j/98551408608?pwd=VHJqbGM4bFNXaHBZWjV3WFgvZnI5QT09

Abstract: Occupational safety rules that must be followed in underground mining are critical. Considering mining accidents that occurred in Turkish mines, most accidents are due to the carelessness of employees, the difficulty of the work environment, and the inadequacy of the measures taken. This project aims to analyze the occupational accidents in underground mining with the help of a developed for that purpose multitemporal Geographic Information Systems (GIS). Each record in the GIS is described by parameters, including characteristics of the place, the time of occurrence. The ESRI ArcGIS package has been used to develop the GIS model. The data used include 227 accidents recorded between January 2019 and December 2020 in the Kozlu hard coal mining facility. Subsequently, a developed GIS model has been used to examine selected aspects of the accidents.

Dr habil. inż. Kazimierz Bęcek, Uni. Prof.

All welcome!