



## ABSTRACTS

### 11. Vasile-Gabriel Dascalu, Ana-Cornelia BADEA: Spatial Access to Medical Services using GIS Techniques – Valcea County, Romania

*Access to primary healthcare is recognized as an important facilitator of overall population health. This study performs a spatial analysis of the medical units in Valcea County. The main objective is designing of maps representing the distance in minutes between the inhabitants from this county and certain medical units (emergency units, ambulance stations etc.). Also, the data obtained will be integrated into online maps that will be useful for the people.*

*The main method that will be used in this project will be Network Analyst tool from ArcMap software. Distance to health care facilities is an important factor for patients, practitioners and administrators. So, this GIS technique will help to find the settlements position according to the most important medical units from Valcea county.*

*The study area is Valcea county because the population has seen a sharp increase in the aging population over the last 20 years. The hospital from Balcesti was closed in April 2011. The hospital unit served over 50,000 inhabitants in the south of Valcea County. At present, the patients have to go to Dragasani Municipal Hospital. So, we need a professional spatial analysis of the effectiveness of each hospital from Valcea County.*

#### Organisers



Technical University of Civil Engineering Bucharest  
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