

Zgłoszenie tematu **INŻYNIERSKIEJ** pracy dyplomowej**STUDIA I STOPNIA** rok akademicki 2019/20

Promotor:	dr hab. Jozef Kapusta, prof. UP
Temat pracy dyplomowej (j. polski, j. angielski):	<i>Visualization of Open Data from City of Krakow</i> <i>Wizualizacja otwartych danych udostępnianych przez miasto Kraków</i>
Zakres pracy i oczekiwane rezultaty praktyczne:	<p>Open Data has become a widespread phenomenon and it has entered the Public bodies and Government. One of the most important forms of open data is open government data (OGD), which is a form of open data created by ruling government institutions. Open government data's importance is borne from it being a part of citizens' everyday lives, from the most routine tasks to the tasks, that are seemingly far removed from government.</p> <p>There are some projects for accessing government open data in Poland. The aim of the practical part of the thesis is to select and analyse some interesting open data from city Cracow. An important part of the thesis will find a solution for the visualization of this selected data. A recommendation is to create a solution which will include geo data visualisation techniques with the open maps initiative.</p>
Aspekt inżynierski*:	Selection and analyse open data in different formats, creation own analyses and result visualisation.
Wymagane oprogramowanie/języki programowania**:	any data mining tools (optional) like Jupyter Notebook (Python), RapidMiner, Orange, KMine etc., API for fetching and visualization geo-data with some open maps initiative.
Środowisko uruchomieniowe**:	Windows or Linux
Dodatkowe wymagania i uwagi:	English language
Literatura**:	<ul style="list-style-type: none"> <li>• Kitchin, R. (2014). The Data Revolution. London: Sage. p. 49.</li> <li>• Hilbert, M. (2013). "Big Data for Development: From Information- to Knowledge Societies", SSRN Scholarly Paper No. ID 2205145, Rochester, NY: Social Science Research Network</li> <li>• <a href="https://www.openstreetmap.org/">https://www.openstreetmap.org/</a></li> </ul>

\*należy uzasadnić/wskazać, czy praca spełnia wymagania inżynierskie

\*\*pola opcjonalne