Lost at the university?
- web spatial information system will help you

Łukasz Parkitny, Karolina Materek
Faculty of Mining Surveying and Environmental Engineering
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Geoportal AGH – Spatial Information System of AGH UST

"Geoportal AGH" was invented to replace obsolete information board in AGH UST campus and create modern system, which meets the standards of technical university in XXI century.
Main purposes of the system:

- interactive display of various data about AGH,
- tools to find building, room or direction,
- working on web and mobile platforms.
Collecting geometric data

Ground floors outlines

Orthophotomap

Building plans
Creating spatial data

Vectorization of:
- buildings and rooms,
- roads and pavements,
- parking area,
- other landscape features (trees, pedestrian crossings...)

www.sip.agh.edu.pl  www.agh.edu.pl
Collecting descriptive data

**buildings:**
- name (e.g. A-0, C-4),
- faculty,
- others organization,
- recruitment,
- website.

**rooms:**
- id,
- function,
- belongs to faculty or department.
Buildings and rooms attributes tables

Below tables contain most important descriptive data and additional fields which allows to connect them together and with different bases.

It makes them coherent and universal.
Searching for...

building

faculty
This room searching tool will be integrated with database about university employees, which allows to connect person with room and opposite.
History layer represent how the AGH University of Science and Technology campus has changed over the years. To see stages of university expansion from 1929 to 2013 you can use special designed tool for that. That tool is created by using ESRI time slider.
Recruitment tool

This tool and layer main aims are to display:

- University Recruitment office
- Faculties Recruitment offices

Additionally, it contains informations such as websites and details about recruitment not only on whole AGH, but also on single Faculty.
Network Analyst was created in three steps:
- drawing all paths and roads inside and outside,
- checking connections between layers with special concern for stairs,
- modelling data in 3D space, to make available moving inside buildings.
Network Analyst 3D - effect

Final solution gives the road network of AGH UST allows to find the shortest path between two (or more) selected points.
WebGIS application
Currently data are being collected to create 3D models of whole buildings with real textures.

Additionally main purpose of the system is to distribute actual and truthful data so it’s required to collect geospatial data about AGH all the time.
What's more? What can u see in future?

- 3D visualization on CityEngine,
- english language version
- mobile apps,
- constant actualization of data,
- information about concerts, conferences and other events on AGH.
Thanks for your attention