

# Bucharest 2018 SYMPOSIUM ON MICROGRIDS



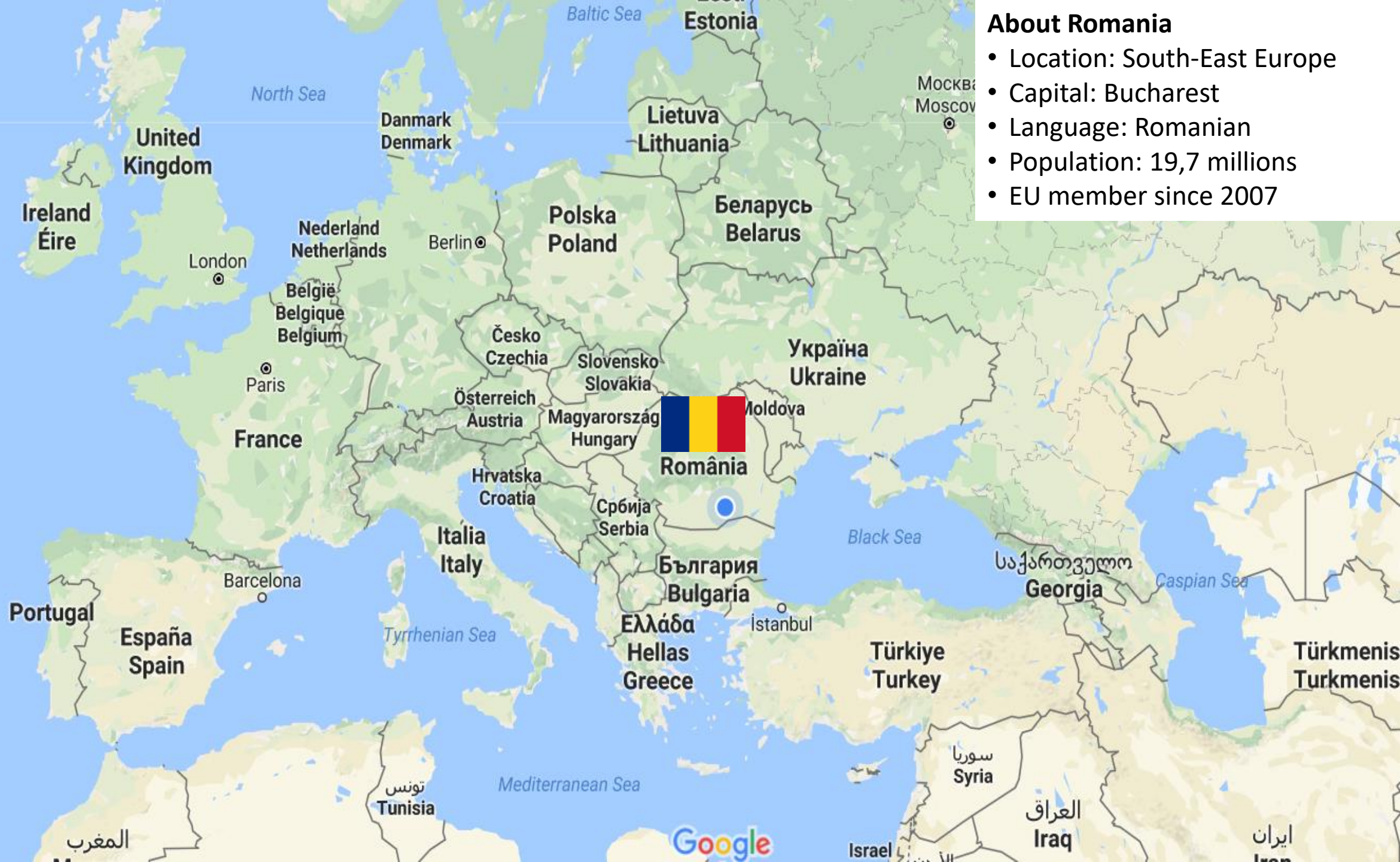
University Politehnica of Bucharest

**September 2018**

**[3-6[8] September]**







## About Romania

- Location: South-East Europe
- Capital: Bucharest
- Language: Romanian
- Population: 19,7 millions
- EU member since 2007



# Why Romania?

Fântânele-Cogealac is the largest on-shore wind farm in Europe, with 600 MW



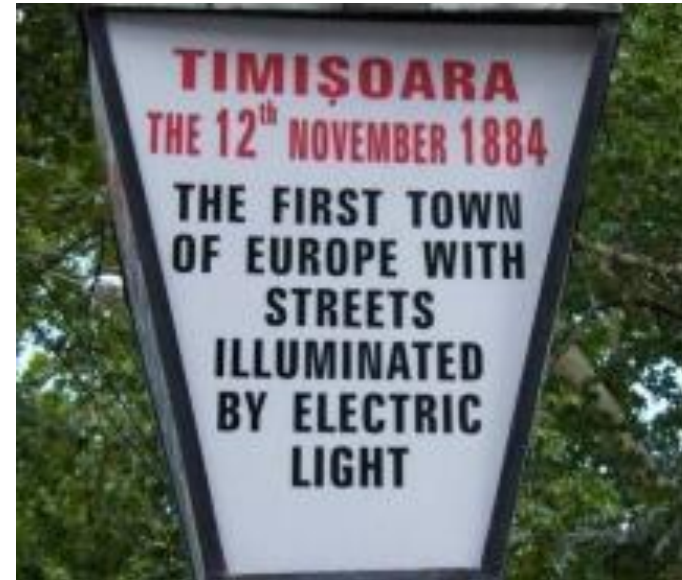
The PV plants ( total 1300 MWp) → increased RES-based electricity generation



Sinaia hydro power plant, still in operation after 118 years (1889)



Bucharest, first in the world illuminated with kerosene lamps, in 1857



Timișoara, the first city in Europe illuminated with electricity



# Why Bucharest?

- Is the capital city of Romania, and is very well connected by airlines
- It hosts the second largest building in the world (Parliament House)
- Exhibits a charming combination of many architectural styles
- Has many beautiful parks. The oldest (mid-19th century), is Cismigiu Gardens.
- ...



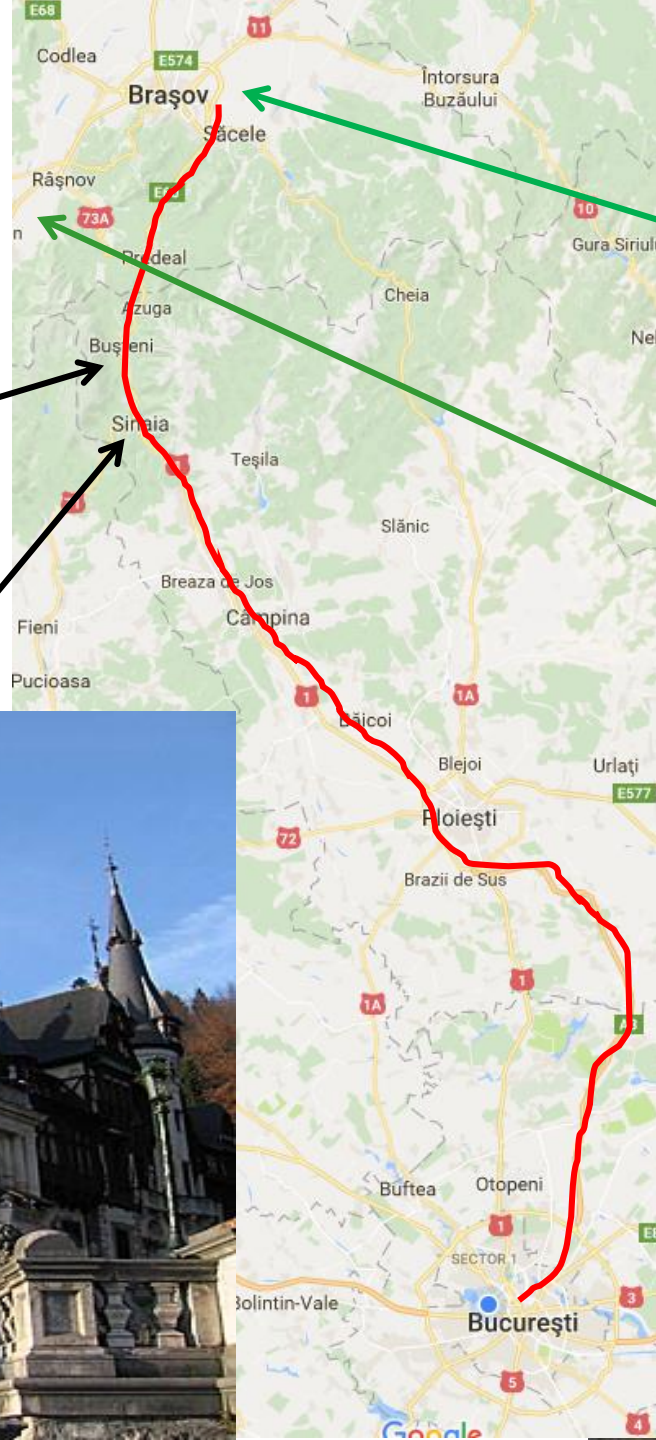


# One day trips!

The Sfinx



Peleş (Sinaia)



Braşov



Bran Castel (Dracula)







[technical] trip to Danube  
Delta (local energy system)





*Symposium Venue:*

**University Politehnica of Bucharest**

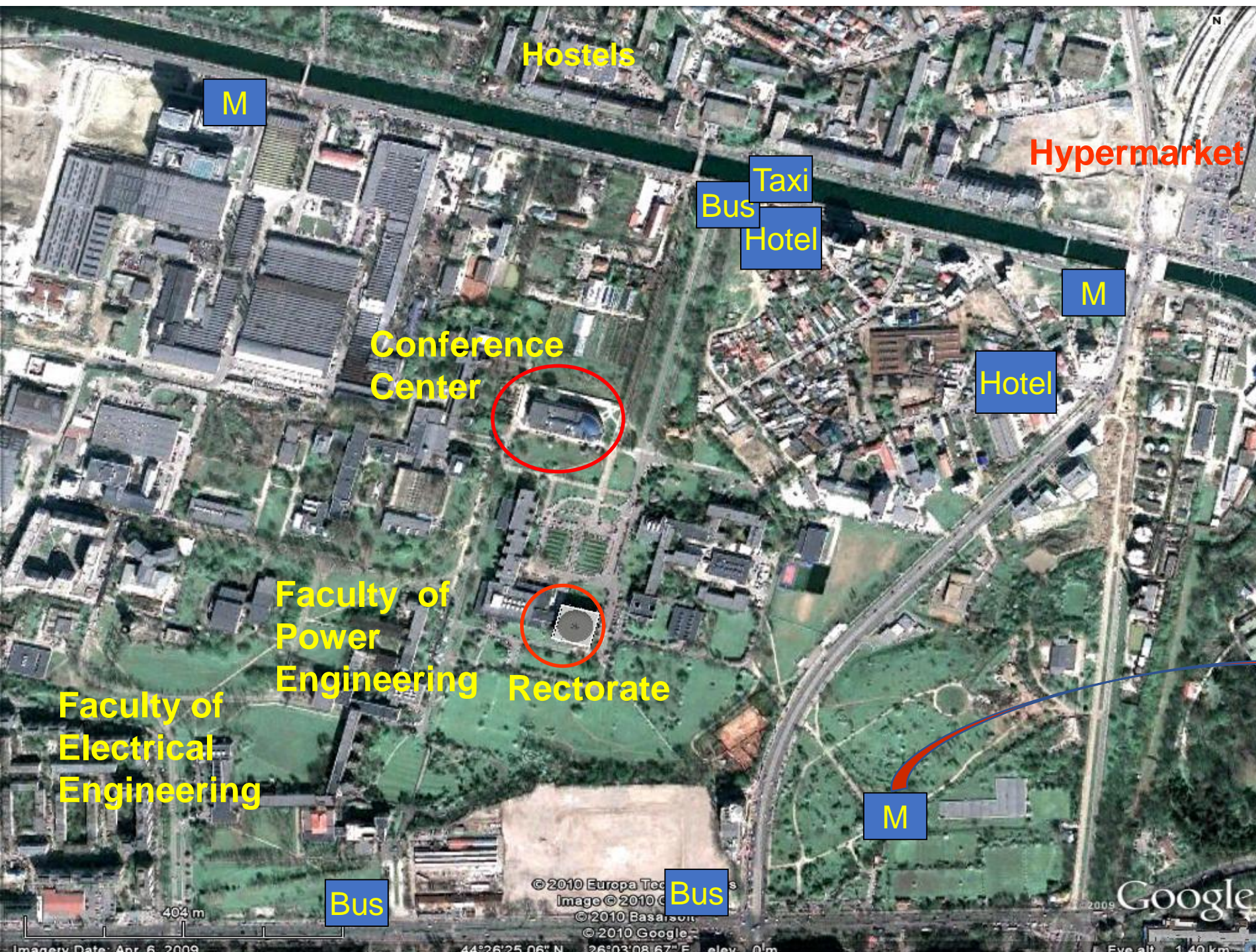




- has the roots back to 1818
- 25000 students
- 15 faculties
- 1600 academic staff members
- 630 auxiliary staff members







Metro (subway) station



Hotels: Ambiance, Yesterday



Bus station



Taxi Station

Tariffs: 0.3, 0.36 or 0.43 € /km

Taxi ride UPB to city center is 3 €

Politehnica subway station  
200 mil. years old fossils

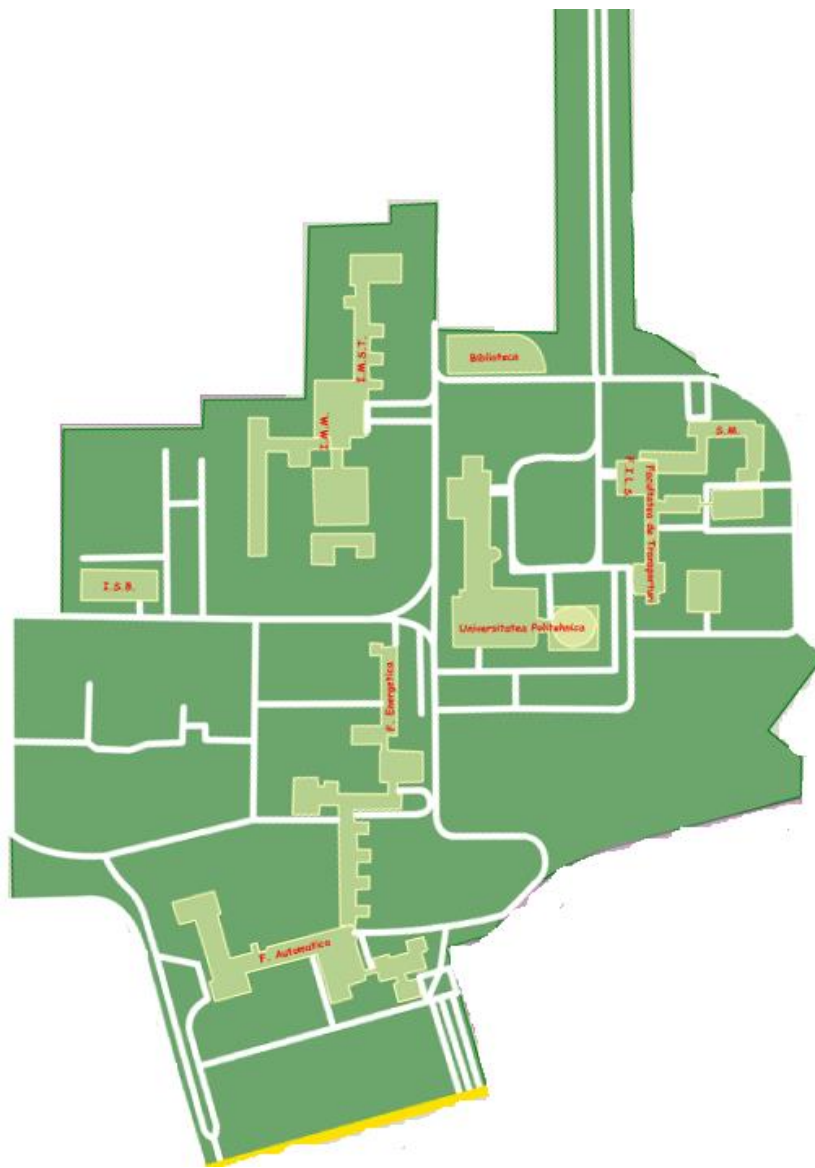




# University Politehnica of Bucharest



## The High Voltage Laboratory



Commissioned:  
25 March 2010

**Jenbacher Engines**  
 $\eta_{el} = 38\%$   
2 x 800 kW<sub>el</sub>

Fuel: Natural Gas





**We are looking forward  
to seeing you  
in Romania  
in September 2018**

