

# NATIONAL TECHNICAL UNIVERSITY OF ATHENS





# NATIONAL TECHNICAL UNIVERSITY OF ATHENS

- Established in 1837
- Public university
- Focus: Engineering
- Very high level of research





# NATIONAL TECHNICAL UNIVERSITY OF ATHENS

## #1 university in Greece

- in Technology & Engineering
  - In the Top 30 in Europe, Top 150 worldwide (Shanghai rankings etc)
- in admission standards (nationwide examinations)
- in graduate employability (QS rankings)



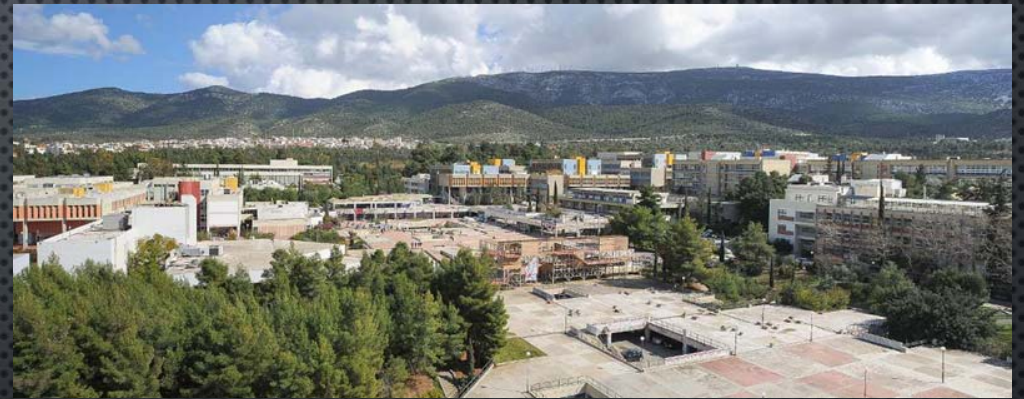




# ΕΘΝΙΚΟ ΜΕΤΣΟΒΙΟ ΠΟΛΥΤΕΧΝΕΙΟ

## 1837-2017

180 χρόνια





# PROMETHEUS

Prometheus – a titan who defied the gods and gave fire to humanity

became a figure who represented human striving, particularly the quest for scientific knowledge.





# NATIONAL TECHNICAL UNIVERSITY OF ATHENS

A Symbol of Democracy

1973





# NATIONAL TECHNICAL UNIVERSITY OF ATHENS

## NTUA in numbers:

- 9 “Schools” (Faculties)
- 15,000 students
- 512 academic professors
- > 1,400 projects annually
- > 3,000 publications annually
- > 20,000 citations annually





# NINE SCHOOLS OF SCIENCE AND TECHNOLOGY

- CIVIL ENGINEERING
- ARCHITECTURAL ENGINEERING
- RURAL & SURVEYING ENGINEERING
- MECHANICAL ENGINEERING
- ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
- NAVAL ENGINEERING
- CHEMICAL ENGINEERING
- MINING & METALLURGY ENGINEERING
- SCHOOL OF APPLIED MATHEMATICAL AND PHYSICAL SCIENCES



# NTUA SCHOOL OF RURAL & SURVEYING ENGINEERING





# GEOINFORMATICS INTERDISCIPLINARY POSTGRADUATE PROGRAMME

- Established in 1998
- > 400 MSc graduates
- Top programme in Geoinformatics in Greece





# NTUA SCHOOL OF RURAL & SURVEYING ENGINEERING

## Established in 1917

- International leaders in Satellite Geodesy, since the 1950s-1960s
- GIS since the early 1980s
- Pioneering research in Geospatial technology & Geoinformatics, since the 1990s





# NTUA SCHOOL OF RURAL & SURVEYING ENGINEERING

- **Undergraduate program**
  - 5 years of study, Integrated Master in Rural & Surveying Engineering
- **Interdisciplinary Postgraduate Programmes**
  - MSc Geoinformatics
  - MSc Environment & Development
- **PhD and Postdoctoral research**





# NTUA SCHOOL OF RURAL & SURVEYING ENGINEERING

## Research areas/laboratories

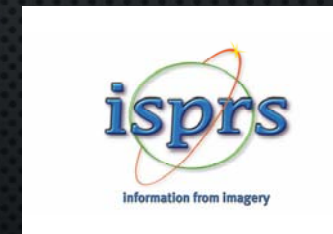
- Cartography
- Geoinformatics & GIS
- Geodesy (general, higher, satellite)
- Photogrammetry - Cadastre
- Remote sensing
- Geography & spatial analysis
- Physical geography & environmental impacts
- Water resources engineering
- Transport engineering
- Structural engineering
- Natural hazard assessment & proactive planning



# NTUA SCHOOL OF RURAL & SURVEYING ENGINEERING

## International co-operation

- Research partnerships in cooperation with top universities & research centers worldwide
- MoUs and exchange programs (most recently York University, Canada)
- International conferences
- Members & alumni include leaders of international scientific associations & academic units, as well as top researchers, worldwide.





# ASSOCIATION OF GEOGRAPHIC INFORMATION LABORATORIES IN EUROPE - AGILE

- Established in 1998 to promote academic teaching and research on GIS at the European level and to ensure the continuation of the networking activities that have emerged as a result of the EGIS Conferences and the European Science Foundation GISDATA Scientific Programmes.





# SPACE MATTERS CHALLENGES IN GI SCIENCE

