NTUA

Prof. D. Assimacopoulos
Chemical Engineering Dept.
NTUA

The Institution

- National Technical University (NTUA) was founded in 1836
- The most prestigious educational institution of Greece in the field of technology
- Unceasingly contributing to the country's scientific, technical and economic development

History

- NTUA established as “School of Arts” in 1836
- In 1840 was renamed in “School of Fine and Brutal Arts”
- In 1887 became a University under the name “School of Industrial Arts”
- In 1917, NTUA was organized into the “Higher Schools” by a special law
- In 1924 was named “National Technical University of Athens”

- Up to the 1950s, NTUA was the only University in Greece offering degrees in engineering

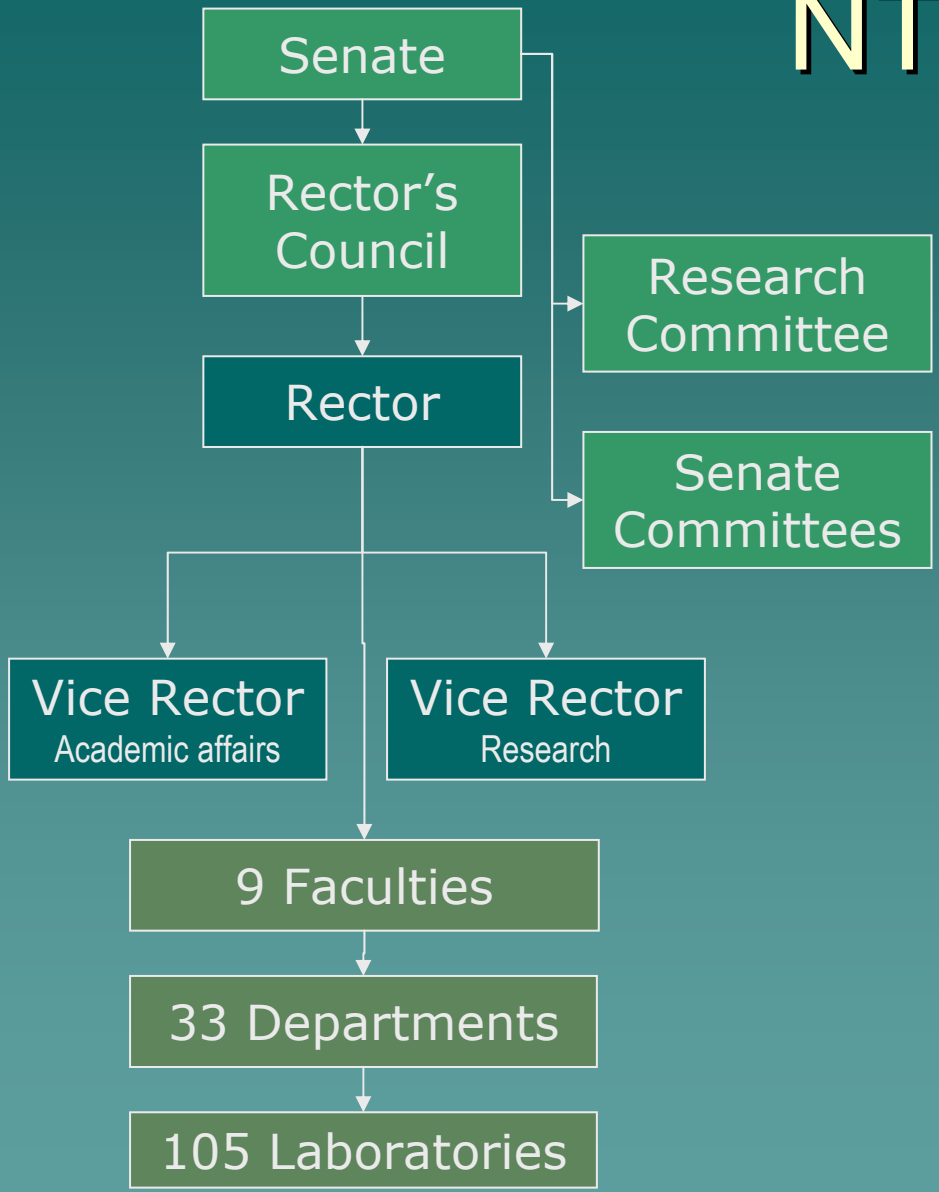
The Institution

- Nine academic Faculties, eight being for the engineering sciences, including architecture, and one for the general sciences

- More than 700 people as academic staff
- Scientific assistants ≅ 140
- Administrative and technical staff ≅ 260

- Undergraduate students ≅ 8500
- Post-graduate students ≅ 1500

NTUA



Research

- Scientific research is funded by both the public and private sectors
- The Research Committee manages and controls the budget of research activities,
- Withholds the 15% from the budget of each research project
- This amount is allocated to a variety of activities:
  - Undergraduate and postgraduate studies support
  - Scholarships to both graduate and postgraduate students

Chemical Engineering Department

- Chemical Sciences
- Process and Systems Analysis, Design and Development
- Materials Science and Engineering
- Synthesis and Development of Industrial Processes

The Group

- Active in:
  - Education
  - Research
- The group has developed a wide network in EU, MED and the private/public sector
- People
  - 2 faculty members
  - 1 researcher
  - 2 associate researchers
  - 5 post-graduate
  - 2 assistants

Areas of interest

- Research
  - Environmental Management
  - Water Resources Management
    - Water Supply in areas under stress
    - Desalination
  - Energy saving and regional energy planning
  - Renewable energy sources
  - GISystems and Analysis of complex systems
  - Artificial Intelligence and Expert systems for computer aided process design
- Education
  - Undergraduate
    - Transport processes
    - Computational techniques
  - Graduate
    - Environmental science
    - Renewable energy sources

Research relevant to SMITE

- Externalities and costing
  - External Cost of Transport in ExternE
  - External costs of energy conversion: Improvement of the ExternE methodology and assessment of external related transport externalities
- Cost benefit analysis
  - Policy evaluation for public transport
  - Economic Evaluation of Air Quality Targets for Carbon Monoxide and Benzene

Other activities relevant to SMITE

- Climate Change: The Greek action-plan for CO_2 emissions and other greenhouse gases
- Phasing out of ODS and implementation of appropriate regulatory improvements:
  A Strategic Plan for Cyprus
- Air quality network design and identification of monitoring sites in Greece
- Executive Editor of the *Global Nest The International Journal*

Web Pages

- http://environ.chemeng.ntua.gr
- http://www-liee.chemeng.ntua.gr
- http://www.chemeng.ntua.gr
- http://www. ntua.gr