



University POLITEHNICA of Bucharest  
Faculty of Automatic Control and Computers

Splaiul Independenței nr.313, sector 6, cod 060042,  
Bucharest, ROMANIA



**Profesor Costică NITU**

Conducător științific în domeniul “Ingineria Sistemelor”  
Universitatea POLITEHNICA din București

**Contact:**

Prof.dr.ing. Costică NITU

Universitatea POLITEHNICA din București

313, Splaiul Independenței, Sala ED110, sector 6, 060042 București, Romania

Tel: +40.021 674 23 51

E-mail: [cnitu@ecosys.pub.ro](mailto:cnitu@ecosys.pub.ro)

**Conducător de doctorat din 1992:**

- 15 teze finalizate
- 4 teze in derulare

**Publicații:** 25 cărți și capitole de carte; peste 190 articole; 2 invenții

**Membru al unor organizații științifice:**

- Membru al Societății Române de Automatică și Informatică Tehnică, SRAIT, Romania
- Membru al Societății științifice ECOLOGY-Moscova, Rusia

**Profil și domenii de cercetare:**

- Intelligent methods in control system design
- Control and monitoring systems for new energy sources
- Management of electrical networks with renewable power sources
- Information technologies for industrial and environmental control systems
- Adaptive information-modelling system for control and monitoring systems
- New remote-sensing technologies and data processing algorithms
- Decision-making procedures in control and environmental monitoring systems
- Control systems and eco-information problems of global climate change
- Application of control and eco-information systems to the study of forest and agricultural ecosystems

- Expert systems for atmospheric pollution monitoring, for hydro-physical and hydro-chemical investigations, for monitoring of the water quality control systems.
- Practical remote-sensing risk assessment.
- Distributed control architectures for environmental monitoring. Computer networks in environmental control systems,
- New wireless sensors and control systems.

**Teme de cercetare doctorală propuse:**

1. Intelligent control methods for water quality control systems
2. New methods for new energy sources control systems
3. High reliability of human-computer interfaces
4. New sensors and devices for environment investigations
5. Intelligent control systems applications