

## Dr. József Szabó

- **Studies, academic degree**
  - 1979 Dipl. Electric Engineer, Technical University of Budapest
  - 1986 Doctor Technicus, Technical University of Budapest
- **Language skill**
  - English
- **Professional experience (jobs)**
  - 1979-1982 BHG Telecommunication Factory
  - 1982- Budapest University of Technology and Economics  
Department of Broadband Infocommunication and Electromagnetic Theory  
Laboratory of Space Technology
- **Educational activity, subjects:**
  - Design aspects of space equipment
  - Space Technology
  - Space Technology in Practice
  - Space Technology Laboratory
  - Laboratory Exercises 1. & 2.
  - Project laboratory BSc és MSc
  - Training Project Laboratory
  - BProf Thesis Project
  - Diploma Thesis Design 1. & 2.
- **Scholarships, study trips abroad**
- **Research areas**
  - Power Electronics
  - Linear and Switching Mode Power Supplies
  - EMC/EMI, Construction
- **Publication activity, MTMT link:**  
<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10041289>
- **Major research projects (supervisor / participant)**
  - 1979-1980 UHF Band 1W TV Transmitter linear mixer+amplifier
  - 1981-1982 100-500MHz 2 and 100W Broadband Amplifier
  - 1982-1984 INTERCOSMOS VEGA TÜNDE Particle Detector Power Supply
  - 1982-1984 INTERCOSMOS VEGA TV System Power Supply
  - 1986-1989 INTERCOSMOS AKTIV ODCS PS (OBDH) Data Collection System Power Supply
  - 1986-1989 INTERCOSMOS AKTIV SAS PSS (Signal Analyser and Sampler Power Supply)
  - 1989-1990 MIR PRIRODA MOS (Modular Optoelectronic Scanner) SVM Power Supply
  - 1990-1992 ESA CESAR EPS (Electrical Power System)
  - 1995-1996 KYKLOPS Radar Indicator Power Supply System0
  - 1996-1998 NASA STS-91 AMS-PS Anti Matter Scanner Power Supply & EGSE
  - 1996-2000 AMSAT PHASE III D BCR (Battery Charge Regulator)
  - 1996-2015 ESA ROSETTA ROLAND PSS (Power Subsystem)
  - 2006-2009 SSETI ESEO EPS and LMP (Electrical Power Subsystem and Langmuir Probe)
  - 2009-2011 ESA ESEO EPS and LMP (Electrical Power Subsystem and Langmuir Probe)
  - 2013-2018 ESA ESEO PDU and LMP (Power Distribution Unit and Langmuir Probe)
  - 2016-2017 EKTC Onboard Antenna Matrix Power Supply System
- **Professional public activity, association and board memberships**
  - HTE member
  - MRC member
- **Awards, honors**
  - 1986 Work merit bronze grade
  - 2004 Certificate of Appreciation in Hungarian Space Research
  - 2016 Dean's Praise