



### WHO WE ARE

Institute of Telecommunications is an academic unit operating under the Faculty of Telecommunications and Electrical Engineering in the University of Technology and Life Sciences in Bydgoszcz, in Poland. Since its inception (1962) the Institute has been incessantly educating students in telecommunications adapting the profile of diploma-granting to current needs of the national and regional economy. It offers full-time and part-time courses in electronics and telecommunications at both the bachelor and the master level, as well as postgraduate studies in digital telecommunications and specialist courses in electronics and telecommunications.

In 1998 the Faculty was granted rights to confer the degree of Doctor of Technology Sciences in telecommunications.

Since 1987 the Institute of Telecommunications discharges the duties of the host of the National Telecommunications Symposium, one of the major scientific and presentational events in Poland, organized with the cooperation of the Telecommunications Section KEiT PAN and the Institute of Telecommunications of Wars

aw Polytechnics.



### COLLABORATION INTERESTS

Institute of Telecommunications is interested in participating in EU projects under FP7 and is also open to other forms of international cooperation.

### RESEARCH AREAS

- designing and analyzing telecommunications and computer networks
- modeling processes in telecommunications networks and systems
- wireless communications systems
- multi-access in mobile radiocommunications
- sound signals, data and image processing and transfer
- optical-fiber telecommunications
- dispersed control and visualization systems in real time
- logistics systems in distribution networks
- modern electronic commutation switches
- digital electronic phone exchanges
- application of fibre optics in telecommunications
- analyzing and designing analogue and analogue-digital electronic systems
- correlation analysis of random signals in telecommunications systems
- digital filtration and spectrum analysis in telecommunication

### REFERENCE PROJECTS

Despite there are no projects carry out exactly in the Institute but University runs many projects co-funded by EU funds, so researches from the Institute are also involved in projects' realization.

### SPECIFIC INFORMATION OF THE COMPANY

- Name of the research department: Institute of Telecommunications (pl. Instytut Telekomunikacji)
- Name of Organization: University of Technology and Life Sciences in Bydgoszcz, (pl. Uniwersytet Technologiczno-Przyrodniczy, UTP)
- Legal status: University unit
- Country: Poland
- Number of researchers: over 50
- Working languages: Polish, English
- Head: Professor Andrzej Milewski  
Phone: + 48 52 340 80 50
- Deputy Head: PhD Tadeusz Leszczyński  
Phone: + 48 52 340 81 48

E-mail: [itwtie@utp.edu.pl](mailto:itwtie@utp.edu.pl)

Web page: <http://wtie.utp.edu.pl/>

### WHAT MAKES USA GOOD PARTNER

- Highly qualified experienced research personnel in the field of telecommunication and related issues.
- Well developed local and international co-operation network researchers from the Institute published and took part in the conferences, seminars, workshops etc. all over Europe, also in US and other countries.
- Specialist research area within sixth divisions: Computer Communications, Transmission Systems, Digital Technology, Telecommunications Systems, Fundamentals of Electronic Circuits, Postal Engineering.

This profile has been developed under the HAGRID project