Proposal of thesis topic for mgr inż. (MSE) programme in Telecommunications and Computer Science

1. Topic: Implementation of Smart Antenna Beamforming Algorithm with Digital Signal Processor

2. Supervisor: Mariusz Czarnecki

3. Auxiliary supervisor:

4. Goals and scope of the work:
   1. DSP implementation of LMS algorithm for phase shift beamforming.
   2. DSP implementation of LMS algorithm for gain and phase shift beamforming.
   3. Design and implementation of GUI application for testing of antenna beamforming algorithms.

5. Prerequisites (e.g. experience in writing programs in a computer language or knowledge of a foreign language):
   Knowledge of C/C++ programming language.

6. Literature:

Łódź, 2005-04-11

Supervisor’s signature

THESIS TOPIC SELECTION ACKNOWLEDGMENT

Student’s name: ____________________________ Student’s ID _______

Faculty: ________________________________

Main subject/major/module: ____________________________

Date and student’s signature

Supervisor’s signature

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