PROPOSAL OF THESIS TOPIC FOR MGR INŻ. (MSE) PROGRAMME
IN TELECOMMUNICATIONS AND COMPUTER SCIENCE

Topic: Blind separation of signals and images

Topic in Polish: Wydobywanie przebiegów ukrytych w mieszaninie sygnałów akustycznych lub mieszaninie obrazów.

Supervisor: Krzysztof Ślot

Auxiliary supervisor:

Goals and scope of the work:

An objective of the dissertation is to implement ICA (Independent Component Analysis) method, which enables extraction of individual components of signal/image mixtures. The introductory task of the project is to write a program for mixing signals or images. Then, the program for realizing ICA-based separation of independent sources is to be done.

Prerequisites (e.g. experience in writing programs in a computer language or knowledge of a foreign language):

Programming in JAVA or C++, matrix algebra

Literature:

To be announced.

Łódź, 2009-05-29

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