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

Topic: Face recognition using linear discriminant analysis-based approach

Topic in Polish: Rozpoznawanie twarzy z wykorzystaniem metody LDA

Supervisor: Krzysztof Ślot

Auxiliary supervisor:

Goals and scope of the work:

An objective of the dissertation is to implement a face recognition procedure using the linear discriminant analysis. This task involves two steps: derivation of a feature-space, which is convenient for face-image discrimination, and subsequent classification of samples that exist in the derived space. The first step of the procedure implements Linear Discriminant Analysis (or LDA) method, whereas the second step is realized using nearest-neighbor data-classification approach.

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

Programming in Matlab (JAVA or C++ are another candidates), 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