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

Topic: Face recognition using Local Feature Analysis
Topic in Polish: Rozpoznawanie twarzy z wykorzystaniem metody LFA
Supervisor: Krzysztof Ślot
Auxiliary supervisor:

Goals and scope of the work:

An objective of the dissertation is to implement a face recognition procedure using Local Feature Analysis. The task involves three steps. The first one is aimed at identification of facial locations that are important for recognition. The second step involves derivation of Gabor-wavelet representation for pre-selected regions. Finally, the third step is concerned with classification of the derived feature vectors.

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.