



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

1. Topic: Retrieving semantic content from images

2. Supervisor: Paweł Strumiłło

3. Auxiliary supervisor: -

4. Goals and scope of the work:

Very large amounts of visual information are currently stored and transmitted. There is a need for developing automatic methods for handling images in terms of their analysis, interpretation or cataloguing. More and more concepts for solving such tasks are based on semantic description of the image. The objective of the project is work out a fast method for semantic based description and categorisation of images. The method should be compared versus other e.g. statistical methods that are based on low level image features. Applications of this technology range from database image retrieval to machine vision in robotics.

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

basic knowledge of image processing methods
programming in one of the languages C++/Delphi/Java

6. Literature

Will be specified by the supervisor.

Łódź, 2004-04-19

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