P o l i t e c h n i k a   Ł ó d z k a
Instytut Elektroniki

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

1. Topic: **Stereophonic representation of images and graphics**

2. Supervisor: **Paweł Strumiłło**

3. Auxiliary supervisor: -

4. Goals and scope of the work:

The goal of the project is to work out a method for converting visual scenes (images and graphics) into a stereophonic pattern. Solution of this type of problem can aid the blind in interaction with the environment. The concept of the method is based on selecting the most prominent image features that can be used for "sound-coding" the image. Distance and location, and shape of the image features will need to be coded. The expected result of the project is a computer application (e.g. written in C++).

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

> digital signal and image processing methods
> programming in C++ (or Delhi, JAVA)

6. Literature

Literature will be provided by the supervisor

Łódź, dn. 2004-04-07   Podpis opiekuna

DEKLARACJA WYBORU TEMATU

Imię i nazwisko:_____ Nr albumu:_____

Wydział: _____ Rodzaj studiów: **DM** ☐   **DI** ☐   **WI** ☐   **ZI** ☐

Kierunek/specjalność/moduł: _____

Data i podpis studenta   Podpis opiekuna