



Technical University of Lodz

Institute of Electronics

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

1. Topic: Mobile navigation device based on a Java 2 Micro Edition platform using GPS and Bluetooth technologies.

2. Supervisor: Prof. Paweł Strumiłło

3. Auxiliary supervisor: mgr Piotr Skulimowski

4. Goals and scope of the work:

The aim of this project is to write a working application program for a mobile device (e.g. cellular phone) that is equipped with Java interpreter. The main function of the program is to assist the pedestrian with navigation data: geographic location, walking direction, distance to a predefined destinations). These parameters will have to be worked out from the GPS receiver that is wirelessly coupled to the mobile device. One of the program features is to reduce the positioning errors from the satellite navigation system.

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

programming in Java, basic knowledge on telecommunications

6. Literature:

Required reading will be provided by the supervisor (in English); other sources will most likely include the internet and the university library

Łódź, 2007-03-30

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



Institute of Electronics

PL90-924 Lodz, Wolczanska 211/215, Poland

tel. (+48) 42 636 00 65, (+48) 42 631 26 26, fax (+48) 42 636 22 38, e-mail: ie@p.lodz.pl, www.eletel.p.lodz.pl

VAT No. PL727-002-18-95