



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Mihai Hulea**
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Nationality Romanian
Date of birth 22 September 1977
Gender male

Work experience

Dates	2002 – present
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching labs and courses in the field of IT technologies. Research activities.
Name and address of employer	Technical University of Cluj-Napoca
Type of business or sector	Education
Dates	2010 – 2017
Occupation or position held	Freelancer Technical Project Manager
Main activities and responsibilities	Coordinating Java development team, manage project tasks and interaction with stakeholders.
Name and address of employer	Linkscreens
Type of business or sector	IT
Occupation or position held	Freelancer Software Engineer
Main activities and responsibilities	Develop of cartography and navigation software in C++, Team manager
Name and address of employer	AvMap
Type of business or sector	IT
Dates	2004 - 2008
Occupation or position held	Freelancer Software Engineer
Main activities and responsibilities	Applications architecture and design. Develop distributed java applications.
Name and address of employer	Gambit Media
Type of business or sector	IT

Membership

(SRAIT) Romanian Society for Automation and Technical Informatics

Education and training

Dates 2002– 2010
Title of qualification awarded Ph.D in Automatic Systems
Principal subjects Thesis title: "Distributed Road Traffic Control System"

Name and type of organisation providing education and training Technical University of Cluj-Napoca

Dates 2001 – 2002

Title of qualification awarded Master Degree

Principal subjects Automatic Systems

Name and type of organisation providing education and training Technical University of Cluj-Napoca

Dates 1996 – 2001

Title of qualification awarded Bachelor Degree

Principal subjects Multiagent Platform for a Flexible Manufacturing System

Name and type of organisation providing education and training Technical University of Cluj-Napoca

Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) *Common European Framework of Reference for Languages*

Social skills and competences Team work and mediating skills.

Organisational skills and competences I'm involved in the process of organisation of different seminars and conferences at the university. I am part of the UTCN admission team.

Computer skills and competences Design and modelling: UML, Visio
 Programming languages/ Technologies: Java: JSE, JME, JEE, Real-Time Java ; C/C++; Linux
 process management and interprocess communication using IPC, SQL
 Database Servers: MySQL, Derby DB
 Application Servers: Glassfish
 Development Platforms: Eclipse, NetBeans, Microsoft Visual Studio, Borland C
 Operating Systems: Windows, Linux, Android

Driving licence Category B

Additional information

Teaching Courses/Laboratories:

- Software Programming Engineering, Project Management, Distributed Control Systems, Real-Time Systems.

University and research representative projects:

- Road Traffic Simulator: Developed a road traffic simulator project in order to test various traffic control algorithms. Developed fuzzy logic and genetic algorithm based traffic control algorithms;
- PIR Traffic Data Monitoring System: Implemented a road traffic monitoring system based on passive infrared sensors;
- GPS Vehicle Tracking – As mobile devices was used the Apicom A1 Box for which a J2ME application was developed. Server side components were implemented in Java SE/EE;
- Remote Vehicle Telemetry System – Remote monitoring vehicle parameters over Internet using a ELM 327 OBD device. Communication with the OBD device is implemented over a Bluetooth link.
- SMS sending/receiving application – developed for Cinterion MC35i GSM modem;
- Home Automation Application based on X10 compatible devices;
- Distributed Fingerprint Recognition System – implement a fingerprint based authentication and verification system. Part of this project I have implemented the J2ME application which communicate over Bluetooth with a fingerprint device.

WSN-Tech Project (www.wsn-tech.net) :

- Radiation Monitoring Firmware for Rovinn RN-131C Low-Fi Chip;
- ECG Heart Monitoring Firmware for the Tag4M device;
- Weather Station Firmware for the Tag4M device;
- FPGA programming application over a wireless link;
- Android application for reading Tag4M weather data.

Note: All firmwares are developed on the eCOS platform.

Company collaborations

Gambit Media Projects:

- Distributed Email Marketing System: Design and implement a distributed email marketing system;
- Porting Java processing nodes on Windows Azure cloud (using C# .Net and Java).

AvMap:

- AvMap Images Viewer – Developed in C++ (.Net Compact Framework 2.0) an image viewer application for AvMap Geosat 6 vehicle navigation device;
- Cartography Applications – Developed in C++ a series of file converter and processors for navigation specific files.