

Curriculum vitae Europass



Personal information

First name(s) / Surname(s)

HERBAN, Ioan Sorin

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Nationality(-ies)

Romanian

Date of birth

04.04.1973

Gender/Status

Male / Married / Three children

Occupational field

Academic

Associate Professor, PhD, Politehnica University of Timisoara, Romania
(2007 – present)

Work experience

Dates

1996 – 1999 / 1999 – 2007 / 2007 -2014 / 2014 -prezent

Occupation or position held

Junior Assistant / Assistant / Lecturer / Assoc. Professor

PhD student : 1998 – 2006

Main activities and
responsibilities

Teaching, Research, Administration

Academic activity

- lectures and practical applications for students (Engineering Surveying, Special topographical works, Automating cadastral works) for Bachelor *Land Measurements and Cadastre* Program;
- lectures for *Master program Cadastre and Immovable Evaluation* (Special programs for Cadastral Compensation, Monitoring of special buildings);
- lectures for Civil Engineering Program – German division (Surveying);
- responsible for student's practice activity 3th year;
- coordination of diploma projects for bachelor and master students;
- tutor for students in the 3th year of study;
- contributor for ARACIS documentation regarding specializations of *Land Measurements and Cadastre / Cadastre and Real Estate Evaluation*;

Scientific research activity

- director or member in national and international programmes;
- coordinator for student programmes (ERASMUS);
- coordinator for professional conferences and symposiums;
- member in local comities for PhD thesis in CCTFC Department;
- reviewer for indexed BDI and ISI publications;
- academic and scientific publications;
- chairman for different sessions in international Conferences;

Management activity

- Coordinating research projects through Politehnica University of Timisoara;
- Coordinating Interinstitutional Agreements: SEE and ERASMUS
- Vice Dean –Civil Engineering Faculty

Name and address of employer

Politehnica University of Timișoara, 2 Victoriei Sq., postal-code 300006, Timișoara, Romania
www.upt.ro

Type of business or sector

Education; University

Education and training

Dates

1997 – 2006

Title of qualification awarded

Ph.D Diploma

Principal subjects / occupational skills covered

Models and methods for tracking deformations in constructions, Developing techniques and technologies in the positioning constructions on the field, Calculation and statistical representation of spatial and construction deformations, Measuring instruments and surveying methods;

Name and type of organisation providing education and training

Politehnica University of Timișoara – Faculty of Civil Engineering and Architecture
www.upt.ro

Dates

1996 – 1997

Title of qualification awarded

Master Degree / Diploma

Profile: Civil engineering

Specialization: Transport Infrastructure

Principal subjects / occupational skills covered

Management and marketing, Bridges with special structures, Tunnels and metropolitan, Railways, Engineering geomorphology, Steel bridges.

Name and type of organisation providing education and training

Politehnica University of Timișoara – Faculty of Civil Engineering and Architecture
www.upt.ro

Dates

1991 – 1996

Title of qualification awarded

Engineering Degree / Diploma

Profile: Geodesy

Specialization: Cadastre

Principal subjects / occupational skills covered

Topography, Processing Theory of geodetic measurements, Surveying, Cartographic projections, Project management, Engineering surveying, Land registration and cadastral legislation, GIS

Name and type of organisation providing education and training

Politehnica University of Timișoara – Faculty of Civil Engineering
www.upt.ro

Dates

April 2012 – November 2012; March 2013 – September 2013

Title of qualification awarded

Certificate of graduation *Program for Vocational Training DidaTec*

Principal subjects / occupational skills covered

Blended-learning skills, electronic educational materials, new techniques in Education

Name and type of organisation providing education and training

Politehnica University of Timisoara
e-Learning Department

Dates

2012

Title of qualification awarded

Diploma for Academic Digital Content Development

Principal subjects / occupational skills covered

Training vocational courses, new techniques and technologies in Education

Name and type of organisation providing education and training

SIVICO România

Dates

September 2011

Title of qualification awarded

Diploma **AeL**

Principal subjects / occupational skills
Name and type of organisation
providing education and training

Dates

Title of qualification awarded
Principal subjects / occupational skills
Name and type of organisation
providing education and training

Dates

Title of qualification awarded
Principal subjects / occupational skills
covered
Name and type of organisation
providing education and training

Professional Stages

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

European level (*)

English

German

Social skills and competences

Organisational skills and competences

Training vocational courses, advanced techniques for communication in Higher Education
SIVECO România

2011

Diploma for **training** in development of academic study programmes
Training vocational courses
The National Educational Ministry

2011 - 2012

EEPI diploma expert land appraiser
Economic influences in the value of buildings, Sociological influences in determining real estate value, Land Law, International Valuation Standards, Statistics, Real Estate Inspection, Property assessment methods, Property assessment report.

Banat University of Agricultural Sciences and Veterinary Medicine Timisoara.

- 2009 (1 month) - TU Munchen, Germany
- 2011 (1 month) - TU Munchen, Germany
- 2012 (1 month) - TU Munchen, Germany
- 2013 (1 week) - University of West Hungary, Faculty of Geoinformatics, Szekesfehervar, Hungary
- 2014 (1 week) - University of West Hungary, Faculty of Geoinformatics, Szekesfehervar, Hungary
- 2013 (1 week) - Kavala Institute of Technology, Greece
- 2014 (1 week) - Kavala Institute of Technology, Greece

Romanian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	B2	Independent user	C1	Proficient user	C1	Proficient user	B2	Proficient user
A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) Common European Framework of Reference (CEF) level

According to the report profile „Righ Path 4 Profile” Sorin Herban is a „Motivator” as follows:

- Takes the initiative, wants to set the agenda;
- Results orientated;
- Speaks directly;
- Competitive, embrace challenges;
- Act strong and confident;
- Deal with multiple tasks;
- Sees the future strategic potential.

Availability for voluntary actions;
Skills for team work – technical, social, collective activities;
Good communication skills;
Coordination skills.

Experience in project management
Organization of scientific events
Responsible with practical stages for students

Technical skills and competences	<p>Organizational activities for the Local Professional Geodetic Association (president of Timis Association)</p> <p>Coordinator and collaborator in several national and international research projects</p> <p>Chairman for different national and international scientific events</p>
Computer skills and competences	<p>Competences for using geodetic techniques and technologies, processing and management of works in the domain of Land Measurements and Cadastre</p>
Other skills and competences	<p>Good computer skills as a result of initial training and daily activity</p> <p>Ability for using basic programs such as Microsoft Office suite (Excel, Ms Power Point, Access)</p> <p>Surveying speciality software: TopoSys, MapSys, Civil 3D, Leica Geo Office, QGIS, Photomodeler, Photoscan, Treespace, Surfer, etc.</p> <p>Hobbies: music, extreme sports.</p>
Affiliation to Professional Associations	<p>Romanian Geodetic Union (UGR) – member</p> <p>Local Geodetic Association (AGT) – member</p> <p>BENA, Balkan Environmental Association – member</p>
Professional Certifications / Other competences	<p>Laboratory Chief/Member for research and contractual activities - attested by ANCPI (National Agency for Cadastre and Real Estate)</p> <p>Expert ANCPI attested by National Agency for Cadastre and Real Estate</p> <p>Trainer for development of study programs</p>
Research works	<p>3 international grants / projects – 1 – director, 1 – member, 1 - coordinator</p> <p>10 national grants – 1 – director, 9 – member</p> <p>6 grants over 10.000 EUR</p> <p>33 grants less than 10.000 EUR</p> <p>Director of grants and projects (extract):</p> <ul style="list-style-type: none"> - Excellence in Photogrammetry for Open Cultural Landscape & Heritage -EPOCHE- Intensiv Program -http://la.teikav.edu.gr/epoche/index.php/partners 32.342 EUR; - Geodetic Study to establishment and implementation of topographic and cadastral works for building lots and land registration for ANL –Timisoara – MLPAT, CityHall Timisoara; - Inter-Institutional Agreement: Scholarships and Inter-Institutional Cooperation in Higher Education; Financed by the EEA and Norwegian Financial Mechanism, 2013; - Development of Urban Green Space Monitoring Technique with Remote Sensing and its Application – 2016, http://uefiscdi.gov.ro/userfiles/file/CAPACITATI/Bilaterale/RO-CH/Competitie%202014/Rezultate%20comisie%20mixta%20RO_CH%202016.pdf. <p>- other projects</p> <ul style="list-style-type: none"> - Studies and experimental research concerning the improvement of technological performances of Francis FVM DE 57.5-128.5 turbines, hydro-electrical plant Bradisor, Romania, contract no. 174/2010, 57.571EUR; - National Project for Infrastructure Modernisation-Interdisciplinary Laboratories, contract no. 2575/2007; - Database for using Geospatial Information for Registration and Monitoring cemeteries in Timisoara, Romania, contract no. 182/2008, 14.000EUR - Application of the terrestrial laser scanning for environmental processes and changes - ATLAS, project no.10/0242-E/4005/2011, 31.802EUR - INSTRUCT – Laboratory development for large scale tests, PN II Modul I, Capacități, 90 CP/ I/ 14.09.2007 (2007-2008-2009) - Studies and experimental research concerning the improvement of technological performances of Francis FVM DE 57.5-128.5 turbines, hydro-electrical plant Bradisor, Romania, contract no. 174/2010, 57.571EUR - National Project for Infrastructure Modernisation-Interdisciplinary Laboratories, contract no. 2575/2007, 100.181EUR - Real Estate Mapping in Romanian Counties, contract no. 674/2007, 6.000EUR - Online network for university collaboration to develop the capacity of providing superior competences in Geodesy, contract POSDRU/86/1.2/S/63140, 2010-2012, (300.000EUR)

- POSDRU/21/1.5/G/13798 - "Doctoral School - support for research in European context" - Contract nr. 16709/20 din 18.11.2010 – long term expert
- POSDRU87/1.3/S/60891: Academic School for trainers in the domain of Engineering Technical Specializations - DidaTec, long term expert (2010/2013)

Other submitted projects

1. International Project - CEEPUS II – "Spatial data and Knowledge Infrastructure for Efficient Land Management" – 2010;
2. International Project - SEE "Set up a virtual laboratory network which will provide coverage, analysis and studies regarding GIS industry" – 2011;
3. International Project – Modernization and Harmonization of Curricula in Cadastral measurements and Geodesy and its harmonization with EU policies – Tempus Life Long Learning Programme – 2012;
4. POSDRU Axis 2.1 – 2013, National Project – Partnership and innovative actions for improving the employment of pupils and students in Western Romania – APOLODOR;
5. **National Project – Integrated Research Platform** – Development for construction behaviour at extreme actions – AXA PRIORITARĂ 2 – CDI: Operation 2.2.1. Section *Land Measurements* -2013
6. **Grant Application Erasmus+ KA2 SP.3 Low-cost Cultural Heritage Digital Documentation (Smartphone 3D Scanning) mai 2014 – in evaluation**

Coordinator or member in research teams for 51 projects/research grants

Other activities

Participation in scientific board of national and international scientific events (extract):

- scientific Committee in Chinese-Romanian Conference on Applied Sciences in Defence – UPT May, 2012, Romania;
- reviewer at 11th International Conference of Numerical Analysis and Applied Mathematics- Recenzor, 2013, GRECE -RODOS, <http://www.icnaam.org/>;
- scientific Committee at 11th International Conference of Numerical Analysis and Applied Mathematics- Recenzor, 2013, GRECE -RODOS, <http://www.icnaam.org/>;
- scientific Committee at International Conference on Applied Sciences, Oct.26-27, 2013, Wuhan, China.

Scientific papers / Books

extract

- 12 – Books/chapters/e-books in books as author or co-author
- 16 – Papers in Journals indexed ISI/BDI
- 27 – Papers in Proceedings of International Conferences
- 11 – Papers in National journals
- 25 – Papers in Proceedings of National Conferences

Total number of papers - 79

Driving license

B category

Additional information

Contact:

Prof.dr.ing. Raul Zaharia – Dean, Faculty of Civil Engineering, Timișoara

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Prof.dr.ing. habil.Thomas Wunderlich – Technische Universität München, Lehrstuhl für Geodäsie

th.wunderlich@bv.tum.de

Prof.dr.ing. Athanasios Styliadis – Kavala Institute of Technology, Department of Information Technology, Greece

styliadis@ath.forthnet.gr

Prof.dr.ing. Gheorghe Badea – Technical University of Civil Engineering, Bucharest

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September, 2016

Assoc. Prof. Sorin Ioan HERBAN