

PERSONAL INFORMATION

Dr István Havasi PhD



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Date of birth: 18/05/1961 | Nationality: Hungarian

POSITION

Associate Professor

WORK EXPERIENCE

2020 – present

Associate Professor, Department Head

University of Miskolc (UM) - Department of Geodesy and Mine Surveying, Miskolc (Hungary) /Institute of Geotechnology and Spatial Informatics; Institute of Geophysics and Geoinformatics (2007-); **Institute of Geography and Geoinformatics (2023-)**

2021 – 2023

Associate Professor, Institute Director

University of Miskolc – Institute of Geophysics and Geoinformatics, Miskolc (Hungary)

1997 – 2020

Associate Professor

University of Miskolc - Department of Geodesy and Mine Surveying, Miskolc (Hungary)

1994 – 1997

Lecturer

University of Miskolc – Department of Geodesy and Mine Surveying, Miskolc (Hungary)

1987 – 1994

Assistant Lecturer

University of Miskolc – Department of Geodesy and Mine Surveying, Miskolc (Hungary)

1986 – 1987

Charged Assistant Lecturer

University of Miskolc - Institute of Geography and Geoinformatics, Miskolc (Hungary)

TEACHING

Time spent as a lecturer position in higher education: 36 years.

Currently taught and signed subjects: Basics of Geodesy (BSc); Geodetic Basics of GIS (BSc); Basic Knowledge in GIS (BSc); Mine Surveying (BSc); Cartography (BSc); Geodesy and GIS (BSc); Digital Mapping (BSc, signed subject); Mine Surveying (MSc); Global Positioning Systems (PhD, in Hungarian and English); Engineering Surveys and Mine Surveying (PhD, in Hungarian and English); Modern Survey Techniques in Geodesy and Mine Surveying (in Hungarian and English)

Visiting lecturer: *Department of Geodesy, University of Newcastle, England*, Hungarian Scholarship Committee (HSC) Scholarship, 1994; *ERASMUS Teacher Mobility Program, E.T.S.I. Geodésica, Cartográfica y Topográfica, Universidad Politécnica de Valencia*, ERASMUS, Valencia, 3 times (2006, 2009, 2013)

EDUCATION AND TRAINING

1997

PhD scientific degree (technical science)

EQF level 8

University of Miskolc, Miskolc (Hungary)

Research area: monitoring of movements /engineering surveys/

Date in which degree was obtained: 22/01/1997.

1993

University doctoral degree (dr-univ)

EQF level 7

University of Miskolc, Faculty of Mining Engineering, Miskolc (Hungary)

Date in which degree was obtained: 20/02/1993.

1980 - 1985 **Mining engineer (MSc level)** EQF level 6
 University of Miskolc Faculty of Mining Engineering, Miskolc (Hungary)

1975 - 1979 **GCE (middle level surveying qualification)** EQF level 4
 Komarov Secondary Grammar School, Professional Secondary School of Postal Affairs and Land Surveying, Pécs (Hungary)

PERSONAL SKILLS

Mother tongue(s) Hungarian

Foreign language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C1 | C1 | C1 | C1 | B2 |
| C-type state language exam at high level and B-type state language exam at middle level | | | | | |
| Russian and Spanish | B2 | B2 | B2 | B2 | B2 |
| B-type state language exam at middle level | | | | | |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2 Proficient user
 Common European Framework of Reference for Languages

Communication skills Good communication and excellent presentation skills

- Digital skills
- **GIS, mapping software:** AutoCAD
 - **Graphics software:** Paint
 - **OS:** Windows
 - **Office software:** MS Office

ADDITIONAL INFORMATION

- 2022 – the KNIGHT CROSS OF THE HUNGARIAN ORDER OF MERIT
- 2021 – Diploma for mining service /35 years/
- 2019 – the HONORARY DIPLOMA OF THE INTERNATIONAL SOCIETY FOR MINE SURVEYING (ISM)
- 2018 – Honoured chartered mine surveyor recognition
- 2017 – Hungarian Mining and Metallurgical Society (HMMS) SÁMUEL MIKOVINYI MEMORIAL MEDAL
- 2015 – HMMS memorial card „award”
- 2015 – Meritorious lecturer of the University of Miskolc award
- 2014 – SAINT BORBÁLA MEDAL „award”
- 2014 – Diploma for mining service /25 years/
- 2012 – Honorary classmate of the graduating year
- 2012 – UM rector’s letters of thanks /289-1/2012 and R/1976-19/2012
- 2010 – Excellent Lecturer Diploma, Student Government of UM
- 2010 – HMMS CRISTOPH TRAUOGOTT DELIUS MEMORIAL MEDAL
- 2009 - Diploma for mining service /20 years/

Awards and honours, professional recognition

- 2007 – Letter of thanks from the president of International Society for Mine Surveying (ISM) for the tireless work during the XIII. ISM Congress in Budapest /as a Congress Director/
- 2005 – Honorary classmate of the graduating year
- 2004 – Diploma for mining service /15 years/
- 2002 – Author's Award for Excellence, Mining and Metallurgical Journals/Mining, 2002
- 1999-2002 – János Bolyai Scholarship
- 1996 – chartered mine surveyor's licence
- 1994 – Hungarian Scholarship Committee (HSC), scholarship (**guest lecturer**, Department of Geodesy, University of Newcastle, England)
- 1989 – One-year scholarship of MHB „The Foundation for Hungarian Science "
- 1985 – First prize of OTDK /National Scientific Student Circle/
- 1985 - silver-grade of the Faculty Study Memorial Medal

Scientific interest

- engineering surveys
- mine surveying
- monitoring of movements
- global positioning systems (GPS)
- modern geodetic instruments and surveying methods in mining
- professional history in mine surveying

Further training

- 2020 – Pedagogical and educational methodology training /30 hours, DUAL DRIVE UNIVERSITY, certificate number: 45/2020/

Memberships

- International Society for Mine Surveying (ISM) presidium member (2005-), **presidium member with voting right** (2009-)
- International Federation of Surveyors (FIG) elected membership, 2005-
- International Society for Mine Surveying (ISM) **delegated Hungarian representative to the 1st Working Committee** (2000-), **vice-president** (2013)
- Miskolc Academic Committee (MAC) Mining, Earth and Environmental Scientific Committee (membership, 2012-)
- MAC Mining, Earth and Environmental Scientific Committee, Geoinformatical and GIS Working Group, **co-chairman** (2003-2012), **chairman** (2012-)
- Hungarian Academy of Sciences (HAS) public body member, 1997-)
- HAS Geodetic Scientific Committee (guest member) (2003-)
- HMMS **vice president** and University Group **chairman** (2010-2022); University Special Group **chairman** (2022-)
- HMMS Mine Surveying Specialist Group, **chairman** (2009-2022); **vice chairman** (2022-)
- Hungarian Chamber of Engineers, membership in two divisions from the foundation
- UM University History Committee (member, 2020-)
- UM-Faculty of Earth- and Environmental Sciences and Engineering Credit Transfer Committee (member, 2021-)

Projects

- **Research grant from the National Scholarship Council (NSC) in England (1994):** Result: research work and lectures at the special departments of 3 universities.
- **FEFA projects 1996, 1999:** Equipment buying projects and complete management of acquisition
- **MKM FKFP 1220/1997 (4 years) research program:** "Geodetic and geo-informatics condition assessment of surface movement areas affected by natural effects and artificial activity in order to establish criteria for long-term rehabilitation" (**prominent contributor**), Research leader: Dr Zsolt Somosvári, Contribution: "**Measurement and evaluation of surface movements using geodetic methods**" (80-page study).
- **Realization of MFK 2000 KHVM communication target task:** Equipment buying project and complete management of acquisition /2001/.
- **IDP MFK Education Development Equipment Procurement:** Equipment buying project and complete management of acquisition /2001/.
- **János Bolyai Research Scholarship 1999-2002:** Result: compilation of **an English-language teaching-research material on the topic of measurement and evaluation of surface and building movements (104 p. + appendices).**

- **TIOP-1.3.1-07/1-2008-0005 project:** "Renewal of the domestic and international competitiveness of the University of Miskolc", Equipment buying project and complete management of acquisition /2010/.
- **TÁMOP-4.2.3-08/1-2008-0007:** "Scientific recruitment education and increasing the recognition of technical and IT careers in accordance with the strategic goals of the University of Miskolc" project. **Purpose:** Introduction of young students to scientific work, development of their presentation and publication skills /tutoring/. **Management of the initial scientific work of three faculty students, holding 8 lectures at the professional college; involving students in giving lectures at professional conferences.**
- **TÁMOP-4.1.2.-08/1/A-2009-0033:** "Curriculum development and modernization of the Technical Earth Science course of the University of Miskolc". Preparation of a **digital textbook: Gábor Bartha – István Havasi: Basic knowledge in GIS (approx. 260 pages + parts translated into English)**, (<http://digitalisegyetem.uni-miskolc.hu/>) (2011).
- **TÁMOP-4.2.1.B.-10/2KONV-2010-0001:** "Improving the quality of higher education based on the development of centres of excellence in the strategic research areas of the University of Miskolc". LEADING THE SCIENTIFIC WORK OF THE DEVELOPMENT OF GEODETIC AND GIS METHODS R&D WORKSHOP /as a **workshop manager**/. **Results: number of articles published in journals: 7, number of studies published in international and domestic publications: 4.5** /2011-2013/.
- **"CriticEI Project" TÁMOP-4.2.2.A-11/1/KONV-2012-0005:** Research work: "Map projections used in Hungary in raw materials research" Result: **a study: "Major geodetic projections used in Hungary" /19 pages/, 2013-2014.**
- **TÁMOP-4.2.2.D-15/1/KONV-2015-0030, GEO-TEAM:** "Creation and preparation of interdisciplinary research teams for participation in international programs in environmental safety research areas" Research work: "Geodetic reference systems of objects related to geothermal research examination, management of related maps and coordinates" /2015/.
- **EFOP-3.4.4-16-2017-00008. Knowledge-Fortress at the University of Miskolc:** Coordination and organization of the Study Mine programs. Guiding the various groups visiting the Study Mine (also in English). The conservation and development tasks of the Study Mine /e.g. personal transport device in a vertical shaft imitation/ arrangement. Producing presentation films supporting university entrance.
- **EFOP-3.6.1-16-00011:** Centre of Excellence 1, Raw Material Management Scientific Workshop. Performing **research work:** "Evaluating the results of monitoring of movement of a waste rock dump" **Results: 1 presentation in English** at the XVII Congress of the International Society for Mine Surveying (ISM) 2019 and **1 publication in English.**
- **Higher Education Institution Excellence Program:** Processing of mineral waste and special minerals with innovative technologies sub-program, "Research methods of a waste rock dump", monitoring of movements of a waste rock pile using modern mine surveying technologies, 2018.
- **Higher Education Institution Excellence Program:** Processing of mineral waste and special minerals with innovative technologies sub-program, "Research methods of a waste rock dump" monitoring of movements of a waste rock pile; comparison of geodetic data of a waste rock hill (2019-2020).

Publications

- **MTMT database** (publication: **193**, citation: **54**)
- book, book part in Hungarian and in foreign language: 32; publication in Hungarian and in foreign language: 153; lecture Hungarian and foreign language: 140
- **MTMT link:** <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10011549>

Driving licence

Category B (auto)

Other skills and competences

- **leading organizational work** in connection with numerous home and more international professional events (1994-)
- MEAFC Football Department /**deputy manager**/, many excellent results as **a player and a manager** with the small-field soccer and futsal team (past 20 years, e.g. Futsal MEFOB national 1st place, 2014)
- regular organization of our faculty sports events (past 20 years)