PERSONAL INFORMATION

Ildikó Horváth

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Research interests:

Cognitive Infocommunications (CogInfoCom) with a focus on hybrid human-machine cognitive capabilities in 3D virtual reality environments; operational complexity analysis of digital workflows and its impact on cognitive biases; modeling mitigation strategies for cognitive biases in complex operational environments.

SCIENTIFIC / ACADEMIC DEGREES

2023	Dr. Habil Associate Professor (Obuda University, Hungary)
2018	Associate Professor (Széchenyi István University, Hungary(
2017	PhD (Széchenyi István University, Hungary)

EDUCATION

1995-1998

Computer science teacher MSc
Eötvös Loránd University, Faculty of Computer Science

1987-1991

Mathematics and Physics BSc
Janus Pannonius University, Faculty of Teacher Education

SCIENTIFIC PUBLICATIONS

- Over 80 publications (26 Scopus-indexed): including 3 co-authored book chapters and 40 journal papers
- Estimated total impact factor: ~20
- Number of independent citations: MTMT: 731, Scopus: 533, Google Scholar: 849
- Hirsch-index: 12 (Scopus: 10)
- MTMT profile: https://m2.mtmt.hu/api/author/10016216
- Scopus profile: https://www.scopus.com/authid/detail.uri?authorId=57193133685
- Google Scholar profile: https://scholar.google.hu/citations?view_op=list_works&hl=hu&user=FRKYM2AAAAAJ

SCIENTIFIC ACKNOWLEDGMENTS

- Stanford Top 2% Scientists 2020
  https://ecebm.com/2020/11/30/stanford-university-names-worlds-top-2-scientists/
  https://drive.google.com/file/d/1DM_r1M2xsGaaEAiq6UvNoo7JL2wnvIA3/view
- Hungary Top 4000 Scientists 2023
  https://www.adscientificindex.com/pdfs/toplists/hungary-top-scientists.pdf?v1649211149
- Best Paper Award – IEEE CogInfoCom 2016

PHD SUPERVISION

Supervisor of 3 PhD students (1 full and 2 50%)
at the Széchenyi István University (2019-2023)

EXPERIENCE

2023-	**Assistant Professor and Research Fellow** Corvinus University of Budapest
2022-	**Associate professor** Óbuda University, Budapest, Hungary
2018-2022	**VR Learning Center Manager** **Associate Professor** Széchenyi István University, Győr, Hungary
2014.-2018	**Higher education, manager, Faculty Director,** **PTE Dual Training Centre Manager** PTE Faculty of Engineering and Information Technology
2002-	**Assistant lecturer later assistant professor, operative assistant** PTE Faculty of Health and Science PTE Faculty of Engineering and Information Technology
1999-2002	**Pedagogical expert, Head of Department** Baranya Center for Pedagogical Services
1997-1999	**Vice Director** Comenius Vocational School and Human Resources Center, Vice
1991-1997	**Vice Director** Vocational School of Health Pécs,

TEACHING EXPERIENCE

2022-	Széchenyi István University, Multidisciplinary Doctoral School of Engineering Sciences *3D Virtual Realities*
2018-2022	Széchenyi István University Apáczai Csere János Faculty of Humanities, Education and Social Sciences *3D VR in education*
2009-	University of Pécs, Faculty of Engineering and Information Technology *Foundations of Informatics 1 and 2. Computer networks 1. Technical informatics, Disruptive technologies*
2001-2009	University of Pécs, Faculty of Health and Science *Informatics 1. Logic, System organization, Computer decision support in healthcare, Data security, data protection*

LANGUAGE SKILLS

	COMPREHENSION		SPEECH		WRITING
	Listening	Reading	Conversation	Continuous speech	
English	C1	C1	C1	C1	C1
German	B2	B2	B2	B2	B2

Levels: A1 / 2: Basic User - B1 / 2: Single User - C1 / 2: Advanced User
Common European Framework of Reference for Languages

ORGANIZATION OF INTERNATIONAL SCIENTIFIC FORA

- 8th IEEE CogInfoCom Conference, 2017 – Technical Program Committee
- 9th IEEE CogInfoCom Conference, 2018 – Technical Program Committee
- 10th IEEE CogInfoCom Conference, 2019 – Technical Program Committee
- 11th IEEE CogInfoCom Conference, 2020 – Technical Program Committee
- 12th IEEE CogInfoCom Conference, 2021 – Technical Program Committee
- 13th IEEE CogInfoCom Conference, 2022 – Technical Program Committee
- 1st IEEE cVR Conference, 2022 - Chair
- 1st IEEE IoD Conference 2022 – Technical Program Committee Chair

- International Journal of Entertainment Technology and Management - Guest Editor
- Sustainability OpenAccess Journal (IF 3.889 and CiteScore 5.0) "Emerging Topics in Sustainable - Guest Editor
- Special issue on Cognitive Aspects of Virtual Reality in the Infocommunications Journal Guest Editor

PARTICIPATION IN INTERNATIONAL PROJECTS

- GINOP-2.3.4-15-2016-00003 FIEK
- EFOP-3.4.3-16-2016-00016
- EFOP-3.5.1-16-2017-00013 - professional manager (2017-2020)
- TÁMOP 3.2.3.08 /2/ b
- TÁMOP 4.1.2.D – 12 / 1 / KONV
- TÁMOP 4.1.1.C-12/1/KONV
- TÁMOP-4.1.1.F-15/1/KONV
- TÁMOP-4.2.2.D-15/1/KONV
- EFOP-3.4.3-2017,
- Erasmus + FABLE project 2020