

# ACADEMIC CURRICULUM VITAE

**Marianna Zichar**



## *Studies / academic degrees*

- 2015            **Habilitation degree in Informatics**  
University of Debrecen, Faculty of Informatics
- 2005            **PhD degree in Mathematics and Computer Science**  
University of Debrecen, Faculty of Science
- 1995            **Master degree in Teaching Mathematics and Informatics**  
Kossuth Lajos University, Faculty of Science

## *Trainings*

- 2011            Lotus XPages developer course
- 2010            Definitions and types of talent (R34\_5) accredited training organized by Magyar Tehetségsegítő Szervezetek Szövetsége
- 2009            Lotus Quickr and Lotus Connections
- 2004            Microsoft Sales Specialist
- 1997            Lotus Notes R4 System Administration 1-2.  
Lotus Notes R4 Application Development 1-2.

## *Jobs*

- 2021 –            **University of Debrecen Faculty of Informatics**  
CEEPUS coordinator
- 2015 –            Associate professor
- 2009 – 2020      Mobility coordinator at the Faculty of Informatics
- 2007 – 2015      Assistant professor
- 2005 – 2007      Assistant lecturer
- 1995 – 2005      **University of Debrecen Faculty of Informatics (and its predecessor)**  
Part-time lecturer
- 1995 – 2005      **MÁV Informatika Ltd. (and its predecessor)**  
Software developer

## *Teaching and academic activities*

- 2024            Lecturer, team leader in **BIPCLUSION#2** (ICT Skills for Software Design, 2022-1-ES01-KA131-HED-000064455-2)
- 2023            Lecturer, team leader in **BIPCLUSION** (Software Design for Social Inclusion, 2021-1-ES01-KA131-HED-000011341-3)
- 2022 – 2025      Project Leader of **Play2Green** (Play to Green: Serious Gaming for Universal Access to Green Education, 2022-1-HR01-KA220-HED-FB3851A0)
- 2022 – 2025      Project leader of **EduIDT** (Application of Inclusive Design Thinking in the Technically-Oriented Subjects at HEI, 2022-1-SK01-KA220-HED-000089306)
- 2020 –            Head of the Credit Transfer Committee
- 2019 – 2022      Member of steering committee, lecturer, supervisor and team leader at **INNOSID** project (Innovative Solutions based on Emerging Technologies for Improving Social Inclusion of People with Disabilities). Consortium of 6 HEIs and 1 civil organization from 6 EU countries.
- 2019 – 2022      Member of steering committee, lecturer, supervisor and team leader at **SmartSoc** (Education of Future ICT Experts Based on Smart Society Needs) project. Consortium of 13 HEIs and 1 civil organization from 9 EU countries.
- 2017 –2019      Lecturer, supervisor and team leader at **TEAMSOC21** (The ICT Engineer of the 21th Century) project. Consortium of 14 HEIs from 8 EU countries. Workshops: Zagreb (Croatia) 2018,

	Valencia (Spain) 2019
2018 –	Member of state exam board for degree program <i>Computer Science BSc</i>
2016	Participant at Science on Stage festival with <i>Anybody can design</i> project
2016	Workshop (3D printing in the education) at XVIII. Országos Közoktatási Szakértői Konferencia
2015 –2017	Lecturer and team leader at <b>INNOSOC</b> (Innovative ICT Solutions for the Societal Challenges) project, Consortium of 13 HEIs from 8 EU countries. Workshops: Zagreb (Croatia) 2016, Valencia (Spain) 2017
2015 –	Member of the Technical Program Committee, Organizing Committee at the CogInfoCom conferences
2015 –	Referee of PhD theses, Habilitation theses
2013 – 2020	Regular participants at <b>Night of Researchers</b>
2011 – 2014	Member of steering committee, lecturer, team leader and organizer of the workshop in Debrecen of <b>SUSCOMTEC</b> (Intercultural knowledge transfer in engineering for a sustainable global ICT community) project. Workshops: Valencia (Spain) 2012, Debrecen (Hungary) 2013, Sofia (Bulgaria) 2014. Consortium of 13 HEIs from 8 EU countries.
2012 – 2014	Member of state exam board for degree program Business Administration and Management BA –Shared Services Expert specialization (Faculty of Economy)
2007 –	Referee of project proposals: OTKA, Ányos Jedlik, TDK, OTDK
2007 – 2010	Member of Educational Committee of the faculty
2006 – 2011	Member of state exam board for program Library Informatics BA
1995 –	Presentations at 30 international and 15 domestic conferences
1995 –	Lectures and labs (in Hungarian: Discrete mathematics I-II, Chapters from geometry, Introduction to GIS, Geoinformatics, Basics of informatics, Database management systems, Databases, Data structures, GIS specific programming, WebGIS, CAD systems, Lotus Notes application developments, in English: Introduction to Computer Graphics, Databases, Introduction to GIS, Geoinformatics, 3D modeling and printing, Data Visualization

## **Research Projects**

2019 – 2020	Supervisor EFOP-3.6.3-VEKOP-16-2017-00002 “Integrált kutatói utánpótlás-képzési program az informatika és számítástudomány diszciplináris területein” (9 months)
2018 – 2020	Senior researcher OTKA Senior researcher OTKA K 128-270, <i>International Scientific Cooperation for Exploring the Toponymic Systems in the Carpathian Basin</i> (24 months)
2017 – 2018	Researcher EFOP-3.6.1-16-2016-00022 „Debrecen Venture Catapult Program” (12 months)
2016	Acquiring a MakerBot Replicator 3D printer on the competition of FreeDee Ltd
2015	Researcher, TÁMOP-4.1.1.C-13/1/KONV-2014-0001 “Az élettudományi- klinikai felsőoktatás gyakorlatorientált és hallgatóbarát korszerűsítése a vidéki képzőhelyek nemzetközi versenyképességének erősítésére” project (2 months)
2012 – 2014	Researcher TÁMOP-4.2.2.C-11/1/KONV- 2012-0001), <i>Future Internet</i> (27 months)
2012 – 2013	Senior researcher OTKA K 100580, <i>Onomatosystematical procession of the Carpathian basin’s modern toponymicon</i> (24 months)
2010 – 2012	Researcher, TÁMOP 4.2.1/B-09/1/KONV-2010-0017 <i>Hungarian Toponym Registry</i>
2010	Participant, TÁMOP 4.1.2 C “Training of Trainers” project, participants (9 months)
2008	Researcher of the project of UD, Faculty of Science, Department of Physical Geography and Geoinformatics for designing the online development plan of Hajdúböszörmény (4 months)
2007	Researcher of the Ányos Jedlik project of UD Faculty of Medicine Institute of Nuclear Medicine (Development of mass production of multimodal imaging system for medical-biological research and human medical diagnostics, 4 months)

## **Visiting Professor**

2019	Josai University Educational Corporation, Japan (2 weeks)
2019	Nanjing University of Science and Technology, China (2 weeks)
2018	Northern Michigan University, USA (2 weeks)
2015	Université de Savoie Mont Blanc, France (1 week)
2015, 2017	Ferris State University, USA (2 weeks / visit)
2015	Universitat Politècnica de Valencia (1 month)

2014	University of Milan (1 week)
2013	Vienna Technical University (1 week)
2013	University of Oradea (1 week)
2008 –	Erasmus teaching staff mobilities (1 week each): Université de Savoie (Chambery, France), University of Oradea (Romania), Universitat Rovira i Virgili (Tarragona, Spain), Universitat Politècnica de Valencia (Spain), Hochschule für Telekommunikation Leipzig (Leipzig, Germany), Babes-Bolyai University (Cluj_Napoca, Romania), Jan Wyzkowski University (Polkowice, Poland), University of Zilina (Slovakia), Technical University of Kosice (Slovakia), Vienna Technical University (Austria)
1993	TEMPUS student scholarship for 1 month (University of Newcastle, UK)

### ***Honors / prizes***

2016	Certificate of Appreciation from the Rector of UD
2013	Outstanding Instructor of the Faculty of Informatics
2011	Certificate of Appreciation from the President of UD Center of Science, Humanities and Arts
2009	Invitation to the research laboratory of IBM in Zürich
1998	Scholarship from the Board of Trustees of Public Foundation “For the talented youngsters of Debrecen”
1995	Medallion István Hatvani
1994 – 1995	Scholarship Pro Regione

### ***Research interests***

Visualization, geovisualization  
 Applications of 3D printing and 3D modeling  
 GIS application developments  
 Applications of network topologies in GIS  
 Lotus Notes application development  
 Complete List of Publications:  
<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10012559>

### ***Talent management***

2011 –	Supervisor of TDK (1 person)
2010 –	Supervisor at the Doctoral School of Informatics
2009 –	Supervisor of students with summer professional scholarship (4 persons)
2007	Supervisor in the program DETEP (4 students)

### ***Language skills***

English:	C1
French:	B2
German:	B2
Russian:	B2

### ***Memberships in scientific bodies***

NOKIT Section, John von Neumann Computer Society, founder and vice president (2019–)  
 Constructive Geometry Society (2019 – )  
 GEMMA Research Group (2017 – )  
 Public Body of the Hungarian Academy of Sciences (2007 – )  
 John von Neumann Computer Society (2007 – )  
 Group of Talent Friends (2012 – )  
 IEEE (2013 – )

## *Reviewing for Journals*

Digital Earth  
Acta Polytechnica Hungarica  
Annales Mathematicae et Informaticae  
Journal of Cleaner Production  
Journal of Agricultural Informatics  
Periodica Polytechnica  
International Journal on Geo-Information  
Applied Sciences  
IEEE Access