

# Curriculum Vitae of Cecília SIK-LÁNYI

## Personal Data

Name: Cecília Sik Lányi

Birth data: July 18. 1959.

Title: Associate professor

Workplace:

Department of Electrical Engineering and Information Systems

University of Pannonia

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## Education:

Habilitation, University of Pannonia, Hungary (Computer Science), 2017.

PhD, University of Veszprém, Hungary (Computer Science), 2000.

Dr. Univ., University of Veszprém, Veszprém, Hungary (Physical-chemistry), 1993.

Diploma (B. S. equivalent), Berzsenyi Dániel Teacher Training College, Szombathely, Hungary (Teacher of mathematics), 1988.

Diploma (M. S. equivalent), József Attila University, Szeged, Hungary (Mathematics and Computer Science), 1984.

Diploma (B. S. equivalent), József Attila University, Szeged, Hungary (Mathematics and Computer Science), 1981.

**Language:** English C1+, German B2+ and Chinese A2 (HSK2)

**Skills:** Giving lectures and leading laboratories on Multimedia, Virtual Reality, User Interface Design, Human Computer Interaction, Colour Science

**Research:** Multimedia and Virtual Reality in education and rehabilitation, Design for All, Human Computer Interaction, Colour Science

## Workplaces:

2001- : Associate professor, University of Pannonia (former University of Veszprém), Veszprém

1993-2001: Assistant professor, University of Veszprém, Veszprém

1987-1993: Mathematician and software engineer, University of Veszprém, Veszprém

1984-1987: Mathematician and software engineer, Construction Enterprise of the County of Veszprém, Veszprém

1981-1982: computer operator, József Attila University, Szeged

## Lectures:

Virtual reality and its applications 1999-

Computer graphics and design 2005 -  
User interface design 1999-  
WEB design 2005 – 2010  
Programming the WEB 2002- 2010  
Multimedia and its applications 1998 -2014  
Assembly programming language 1991-1998  
C programming language 1991-1998  
Informatics practices 1994-  
Engineering design 1995-  
Leading MSc thesis 1995-  
Leading BSc thesis 2007-

### **Membership:**

2020- Smart Cities Journal, <https://www.mdpi.com/journal/smartcities/editors> Editorial Board Member

2018- National representative in the Association for the Advancement of Assistive Technology in Europe (AAATE)

2011- Member of the Editorial Board of the journal Technology and Disability (TAD) <http://www.iospress.nl/journal/technology-and-disability/>

2009- Member of the Editorial Board of the International Journal of Knowledge and Web Intelligence (IJKWI) <http://www.inderscience.com/browse/index.php?journalID=284#board>

2009: Secretariat manager of the European Design for all e-Accessibility Network (EDeAN): <http://www.edean.org/>

2008- 2018: Member of the International Federation for Information Processing (IFIP), TC13 Human Computer Interaction: <http://csmobile.upe.ac.za/ifip/>

2008- Member of the Editorial Board of the International Journal of Computational Intelligence Studies (IJCISudies): <http://www.inderscience.com/browse/index.php?journalCODE=ijcistudies>

2007- Member of the Association for the Advancement of Assistive Technology in Europe (AAATE): <http://www.aaate.net/index.asp?auto-redirect=true&accept-initial-profile=standard>

2006- Member of the Editorial Board of the International Journal of Virtual Reality (IJVR): <http://www.ijvr.org/>

2006- Head of the Hungarian National Contact Centre of EDeAN

2005- Member of the European Design for all e-Accessibility Network (EDeAN): [www.edean.org](http://www.edean.org)

2005- Member of the Österreichische Computer Gesellschaft “HCI&UE“

2004- Member of the Informing Science Institute: <http://www.informingscience.org/>

1998-2018: Secretary of the Applied Light and Colour Working Group of the Veszprém Branch of the Hungarian Academy of Sciences (MTA VEAB)

1998- Member of the Medical Informatics Working Group of VEAB

1998- Member of the Technical Committee for Education Science of VEAB

1992- Member of the John von Neumann Computer Society in Hungary

### **Special teaching activity:**

Leading BSc and MSc thesis works of over 203 students and of about 55 academic youth competition thesis.

One of her students received the “Pro Scientia” gold medal in 2003.

She got the “Master teacher” award of the Hungarian Ministry of Education in 2001.

1995-2001: Project leader of 11 competitions of 33 students in the Hungarian National Youth Scientific and Innovation Competition (her students got one first price, one second price and three third prices, as well as the special award of the Hungarian Ministry of Education. Three of her students got awards at European competitions. Since 1997 her students got two first prices, four second prices, four third prices and five special prizes at National Scientific Youth Competitions.

### **Organization of education:**

2015 Organisation of short student study trip to China: Visiting Beijing Institute of Technology and HUAWEI Company  
2001 and 2002 Organization of Inter-University Scientific Youth Conference exchange programmes between the StPölten and Veszprém  
2001 Co-operation in the preparation of the National Scientific Youth Competition in Veszprém  
1995-1998 Head of the Scientific Youth Competition group in Technical Informatics.  
1991-1995 Scientific course manager of the Department of Technical Informatics

### **Scientific organizational work in Hungary:**

2015 September: Chair, 13<sup>th</sup> AAATE Conference, Budapest: <http://www.aaate2015.eu/>  
2009 May: Member of the local organizing committee, Light and Lighting Conference with Special Emphasis on LEDs and Solid State Lighting Conference CIE, Budapest.  
2006 November: Chair, Organized Third Central European Multimedia and Virtual Reality Conference in Eger.  
2004 May: Chair, Organized a new series of conferences, entitled „First Central European International Multimedia and Virtual Reality Conference”. The first meeting was in Veszprém, the next one was in 2005 in Prague.  
2002- Head of the organising committee of yearly organise Lux et Color Vesprimiensis  
2002, September: Chair, Head of the Organization Committee of „The 4<sup>th</sup> International Conference on Disability, Virtual Reality and Associated Technologies ICDVRAT 2002” international conference in Veszprém.  
2001 Chair, Head of the Organization Committee of the “Media – Informatics – Communication” Conference in Veszprém.

### **Awards:**

2020- “Pro Scientia” award for the scientific and publication activity at the Faculty of Information Technology of the University of Pannonia  
2018- “Pro Universitate Pannonica – large silver” award of the University of Pannonia  
2018- “Multimedia in the education ring, Continual Member of the Multimedia in the Education Conference Series” award of the John von Neumann Computer Society  
2018- “King Salman Award for Disability Research” of the King Salman Center for Disability Research  
2016- “Kalmár award” of John von Neumann Computer Society  
2016-“Hungarian Higher Education Plaque” of Ministry of Human Capacities  
2015-“AAATE-diamond-award” of the Association for the Advancement of Assistive Technology in Europe  
2009-“Pro Educatione” award for the teaching activity at the Faculty of Information Technology of the University of Pannonia

2009- “Multimedia in the education ring” award for the teaching activity of the John von Neumann Computer Society  
2001- “Master teacher” award of the Hungarian Ministry of Education

### **Study trips:**

2015: 1 week at the Technische Universität Wien in Vienna, Austria (ERASMUS)  
2015: 1 week at the Beijing Institute of Technology and HUAWEI Company, Beijing, China, (CAMPUS HUNGARY)  
2014: 1 week at the Arel University, Istanbul, Turkey, (ERASMUS)  
2012: 1 week at the Zhejiang University, Hangzhou, China, (TÉT)  
2008: 1 week at the University of Madeira, Funchal, Portugal (ERASMUS)  
2007: 1 month at the Zhejiang University, Hangzhou, Soochow University, Suzhou, Normal University, Nanjing, China, (MÖB)  
2005: 1 week „ARION” project London-Sutton, UK „Supporting the Inclusion of children with special educational needs in the Early Years”  
2004: 1 month at the Technische Universität Wien in Vienna, Austria, (DAAD)  
1999: 1 month at the Technische Universität Wien in Vienna, Austria (TEMPUS)  
1999: 3 months at the Fachhochschulstudiengänge St.Pölten, in St.Pölten, Austria (TEMPUS)

### **Projects:**

2020-2024: Management Committee Member, ITC Conference Manager and researcher: COST Action CA19104, Advancing social inclusion through technology and empowerment  
2015-2018: Scientist in the LUDI COST Action TD1309  
2015-2018: National project leader of the „Intelligent Serious Games for Social and Cognitive Competence”, projekt number: 2015-TR01-KA201-022247  
2015-2016: Project leader of the „Konferenzteilnahmen- AAATE205-ICCHP2016” project number: 91öu6 (OMAA)  
2012-2014: Researcher, LED4ART, “High quality and energy efficient LED illumination for art, Grant Agreement number: 297262 (EU FP7-ICT-PSP-2010-5): <http://www.led4art.eu/news.htm>  
2012-2013: National project leader of the ALVI: “Algorithms and Visualization for difficult combinatorial optimization problems” (Chinese-Hungarian Bilateral Science and Research TÉT\_10-1-2011-0115)  
2011-2014: National project leader of the StrokeBack, “Telemedicine System Empowering Stroke Patients to Fight Back”, Information and Communication Technologies Collaborative Project, Grant Agreement Number: 288692 (EU FP7-ICT-2011-7) STREP: <http://www.strokeback.eu/>  
2010-2013: Researcher, SSL4EU, “Solid State Lighting for Europe”, Grant Agreement Number: 257550 (EU FP7-ICT-2009-5) STREP: [www.ssl4.eu](http://www.ssl4.eu)  
2009-2011: Researcher, KÖZLED, Energiatakarékos közvilágítási LED-es lámpacsalád fejlesztése, Pályázati azonosító: OM-00352/2008  
2008-2010: National project leader of the GOET Project (Game On Extra Time), project number: UK/08/LLP-LdV/TOI/163\_181, <http://goet-project.eu>  
2007-2010: National project leader of the CREATE MSCF-CT-2006-045963 EU-Marie Curie “Colour Research for European Advanced Technology Employment”: <http://www.create.uwe.ac.uk/>  
2007-2009: National project leader of the web\_access “Joint Programme on Accessible Web Design” Agreement number - 2007 - 2599 / 001 – 001 Project number –

133818-LLP-1-2007-1-AT-ERASMUS-ECDEM:

<http://www.webaccess-project.net/>

- 2007-2009: National project leader of the DfA@eInclusion 033838 “Design for All for eInclusion”: <http://www.dfaei.org/>
- 2007-2007 Project leader of the 2007.ASO-N/4/5 (Austrian Science and Research) project “Künstliche Intelligenz eines Therapieraumes für Gruppentherapie für AphasikerInnen”.
- 2007-2007 Project leader of the 2007.ASO-N/4/4 (Austrian Science and Research) project “Aufbau eines Fernlehrgangs zu Assistierende Technologien”.
- 2005-2006: Project leader of the ASO 2005.N.VII. (Austrian Science and Research) project “Konzipierung eines anpassungsfähigen Therapieraums für Gruppentherapie für AphasikerInnen”.
- 2003-2004: Scientific-technical leader in the framework of the National „Sulinet Expressz” project: preparing digital courses and materials for an Internet based subject dealing with chemical courses.
- 2001-2004: Researcher: Preparing virtual reality presentations for the EU-MOVE GRD1-2001-40094 “Mesopic Optimisation of Visual Efficiency” project.
- 2001-2003: “Computer system to support cognitive therapy” sub-project leader of the NKFP 2/052/2001 Hungarian project: ”Information Technology for Cost efficient Health Conservation”.
- 2001-2002: Project leader of the “Studentenworkshop und Ausstellung’ in Österreich” (Austrian Science and Research) project, project number: 46öu22

Veszprém, 21/01/2021

Dr. habil Cecilia Sik-Lanyi