PERSONAL INFORMATION

Miklós Hoffmann

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Sex male Date of birth 20/03/1966 Nationality Hungarian Family married with two children

WORK EXPERIENCE

2016 - present — full professor, head of institute
Institute of Mathematics and Computer Science, Eszterházy Károly University, Eger, Hungary

2002-2016 — associate professor
Institute of Mathematics and Computer Science, Eszterházy Károly University, Eger, Hungary

2001-2002 — researcher (MSCA Fellow)
University Joseph Fourier, Grenoble, France

1997-2001 — assistant professor
Institute of Mathematics and Computer Science, Eszterházy Károly University, Eger, Hungary

1990-1997 — assistant professor
Institute of Mathematics and Computer Science, University of Debrecen, Debrecen, Hungary

DEGREES

2016 — Academic Doctorate (DSc) of the Hungarian Academy of Science in Mathematics and Computer Science
Hungarian Academy of Science, Budapest, Hungary

2006 — Habilitation in Mathematics and Computer Science
University of Debrecen, Debrecen, Hungary

1998 — PhD in Computer Science
University of Debrecen, Debrecen, Hungary

1990 — Master degree in Mathematics, Descriptive Geometry and Computer Science
University of Debrecen, Debrecen, Hungary

EXPERIENCE AS AN EXPERT

Participation in quality evaluation and assessment procedures in the following programmes (international and national)

from 2016 **The Hungarian Government**

Programmes: Development and Innovation Operative Programme; Competitive Central Hungary Operative Programme (support for R&D activities of SMEs)

from 2016 **COST (European Cooperation in Science and Technology)**

Programme: Call OC-2016-1, OC-2017-1, OC-2018-1

from 2014 **REA (Research Executive Agency, EC, Brussels)**

Programmes: Horizon 2020 MSCA Programme, COFUND Programme, Science with and for Society programme, ICT Smart Digital Content Programme

from 2009 **Educational Authority of the Hungarian Government**

Programmes: Scientific evaluation of TVET and secondary school student books and teaching materials; Content development of Digital Student Library, assessment of Hungarian Development Programme of Life-Long Learning, development of training-of-trainers system in secondary level education

from 2006 **EACEA (Education, Audiovisual and Culture Executive Agency, EC, Brussels)**

Programmes: ICT in Education, Life Long Learning Programmes, Joint Doctorate Programme, Joint Master Programme, External Cooperations and Partnerships, Forward Looking Cooperation Programme, Widespread-Twinning Programme; Monitoring the implementation of actions under the Erasmus Plus programme

from 2005 **TEMPUS Foundation of the Hungarian Government**

Programmes: VET programme development and assessment, Credit mobility, Strategic partnerships

2017 **Centre for quality assessment in higher education, Lithuania**

Programme: accreditation of Mathematics and Computer Science BSc and MSc programmes in several universities in Lithuania

2010 **Ministry of Science, Education and Sports of the Republic of Croatia**

Programme: assessment of national research projects

2010 **Serbian Ministry of Science and Technological Development, Serbia**

Programme: assessment of national research projects

2005-2008 **CEEPUS Foundation**

Programme: Central European exchange program for university studies

2006-2008 **Hungarian National Office for Research and Technology**

Programme: various national research programmes

EXPERIENCE IN HIGHER EDUCATION

from 1990 **Teaching in Higher Education**
mathematics and computer science lectures in the following study programmes: Mathematics BSc, MSc, Computer Science BSc, MSc, Economy BSc, Primary and Pre-School Education, Teacher of Mathematics (master), Teacher of Computer Science (master); teaching and supervising in Mathematics and Computer Science Doctoral School (University of Debrecen)

from 1997 **Curriculum development, capacity building**
development and competency-based improvement of study programmes in Eszterházy Károly University: introducing the Bologna system education levels (BSc, MSc in mathematics, computer science), primary school teacher, secondary school teacher masters (4 and 5-year programmes)

from 2009 **Development and evaluation of teaching materials**
classic, online and blended learning teaching materials in Mathematics and Computer Science

from 2014 **Development of Quality Assurance System in Teacher Training**
Eszterházy Károly University, Hungary

LONG TERM VISITS

2018 University of Ljubljana, Slovenia (1 month)

2012 University of Valencia, Spain (3 months)

2007 University of Split, Croatia (6 months)

1997 Karl-Franz University of Graz, Austria (3 months)

1995 University of Padova, Italy (6 months)

1991 Catholic University, Nijmegen, The Netherlands (6 months)

PERSONAL SKILLS

Mother tongue: Hungarian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	A2	A2	A2	A2	A2

SCIENTIFIC PUBLICATIONS

Scientific interest

- mathematics, specifically geometry
- computer science, specifically computer aided design

- gender studies, specifically gender differences in spatial abiltites

More than 70 publications with more than 300 independent citations

(official list of publications is available at https://vm.mtmt.hu//search/slist.php?nwi=1&inited=1&ty_on=1&url_on=1&cite_type=2&orderby=3D1a&lang=1&location=mtmt&stn=1&AuthorID=10000167)

Some relevant publications:

- Nagy, F., Kunkli, R., Hoffmann, M.: New algorithm to find isoptic surfaces of polyhedral meshes, Computer Aided Geometric Design 64 (8), 90-99
- Petz T, Hoffmann M.: The development of mathematical competences in Hungarian teacher training education, Annales Mathematicae et Informaticae, 47, 243-251. 2017
- Hoffmann M.: How to measure spatial abilities and what are the consequences, Studia Sci. Fac. Paed. Univ. Cath. 15, 96-101, 2016
- Hoffmann M, Monterde J, Troll E: Blending of spheres by rotation-minimizing surfaces, Journal for Geometry and Graphics 19, 189-200, 2015
- Milić, N., Hoffmann, M., Tómács, T., Novaković, D. Milosavljević, B.: A content-dependent naturalness-preserving daltonization method for dichromatic and anomalous trichromatic colour vision deficiencies, Journal of Imaging Science and Technology, 59, 10504-1-10504-10, 2015
- Bana, K., Kruppa, K., Kunkli, R., Hoffmann, M.: KSpheres - an efficient algorithm for joining skinning surfaces, Computer Aided Geometric Design, 31, 499-509, 2014
- Hoffmann, M., Juhász, I., Karolyi, Gy.: A control point based curve with two exponential shape parameters, BIT Numerical Mathematics, 54, 691–710, 2014
- Kunkli, R., Papp, I., Hoffmann, M.: Isoptics of Bézier curves, Computer Aided Geometric Design, 30, 78–84, 2013
- Kunkli, R., Hoffmann, M.: Skinning of circles and spheres,Computer Aided Geometric Design, 27, 611-621, 2010
- Nemeth, B, Hoffmann, M.: Gender differences in spatial visualization among engineering students Annales Mathematicae et Informaticae 33, 169-174, 2006
- Hoffmann, M., Li, Y., Wang, G.: Paths of C-Bézier and CB-spline curves, Computer Aided Geometric Design 23, 463-475, 2006

MEMBERSHIPS

- Hungarian Accreditation Committee (Board of Natural Sciences)
- American Mathematical Society
- Society for Geometry and Graphics