

PERSONAL INFORMATION



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Sex Female | Date of birth 25/08/1979 | Nationality Hungarian

PROFESSIONAL JOB NAME HAS Centre for Energy Research, Environmental Physics
 ADDRESS H-1121 Budapest, Konkoly-Thege st. 29-33.
 POSITION Senior research fellow

WORK EXPERIENCE 2012 02. - HAS Centre for Energy Research, researcher
 2010 - 2012 01. HAS Research Institute for Solid State Physics and Optics (Wigner Research Centre for Physics), researcher
 2008 - 2012 01. responsible person for Radiation Protection of the Department
 2003 - 2010 HAS Research Institute for Solid State Physics and Optics, junior researcher

EDUCATION AND TRAINING 2011-2012 Albert Szent-Gyorgyi College, Science Communication and Innovation Management
 2009 Ph.D. Eötvös Loránd University, Theoretical and physical chemistry, materials science program, Budapest, Hungary
 2002-2003: Master of Science, Babeş-Bolyai University, Faculty of Chemistry, Organometallic Chemistry, Cluj, Romania
 1998-2002 University Degree, Babeş-Bolyai University, Faculty of Chemistry, Chemistry-Physics, Cluj, Romania

Field of professional interest: preparation and structure study of amorphous (borosilicate and chalcogenide glasses, rare-earth molybdates) and crystalline systems, neutron- and X-ray (&synchrotron) diffraction, RMC simulation, vitrification process, management and storage of high-level radioactive waste, geochemical studies of radioactive waste disposal systems (Boda Claystone Formation (Hungarian potential HLW site))

Languages: Mother tongue(s)
 Other language(s)

Hungarian

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2 independent user	B2 independent user	B1 independent user	B1 independent user	B1 independent user
Replace with name of language certificate. Enter level if known.					
Romanian	C2 proficient user	C2 proficient user	C2 proficient user	C2 proficient user	C1 proficient user

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Functions in different organizations	<p>2010-2015 Roland Eötvös Society of Physics, Diffraction Committee Secretary</p> <p>2011-2015 Roland Eötvös Society of Physics, Member of Supervisory Board</p> <p>2013 - Budapest Neutron Centre, Press & Public Relation</p> <p>2015 - Roland Eötvös Society of Physics, Member of the Board</p> <p>2015 - Roland Eötvös Society of Physics, Diffraction Committee President</p> <p>2016 - Hungarian Nuclear Society, Secretary</p> <p>2016 - Member of the Budapest Neutron Centre Executive Board</p>
Organisational skills	<p>Organisational experience:</p> <p>2011 - Roland Eötvös Society of Physics, Autumn School on Material Science, Visegrád</p> <p>2012 - Centralsync School on Synchrotron Radiation Methods and their Applications in Earth Science, Mátrafüred</p> <p>2012 - Roland Eötvös Society of Physics, Autumn School on Material Science, Mátrafüred</p> <p>2012- 2015 Central European Training School on Neutron Scattering, Budapest - co-organization</p> <p>2014 - Albert Szent-Gyorgyi Community for Science, Science Day for the Transcarpathian Youths</p> <p>2015, 2016, 2017 - Physics for everyone! – countrywide national event – main organizer</p> <p>2015 Design and Engineering of Neutron Instruments Meeting - international meeting - organizer</p>
Job-related skills	<p>I'm the instrument scientist of the two-axis neutron diffractometer (called PSD), which is operated in the frame of the Budapest Neutron Centre. Thanks to a recent successful tender, we build a new sample environmental cell to the PSD diffractometer, where we can study different materials under 'extreme' conditions (high temperature and high pressure). Designed my own ideas.</p>
Computer skills	<p>Competent with most Microsoft Office programmes and CorelDRAW. Experience with dedicated professional programs: Reverse Monte Carlo simulation program, PDFgui and XDB programs for data evaluation of experimental measurements. Web-page construction exp. www.bnc.hu, www.afizikamindenkie.hu</p>
Other skills	<p>Design and compilation of educational and professional brochures.</p> <p>Exp: Budapest Neutron Centre - brochure in Hungarian and English language</p> <p>Centre for Energy Research – brochure in Hungarian and English language</p>
Driving licence	<p>B</p>

ADDITIONAL INFORMATION

- Publications** Detailed List of Publications in MTMT database, with ID: 10013934
or in: <https://vm.mtmt.hu/search/slist.php?lang=0&AuthorID=10013934>
- Projects** 2014-2016 OTKA-PD “Preparation, structural studies and optimisation of borosilicate glasses for HLW storage applications” – project leader
2013-2015 BAS-HAS bilateral cooperation „Local and long range atomic structure study of multifunctional materials by neutron diffraction and modelling” – participant
2016-2018 BAS-HAS bilateral cooperation “Structural and optical properties of new semiconductor materials and structures for advanced opto- and nanoelectronics applications” – co-leader
2016-2017 Industrial R&D project “Investigation of basaltic magmatic matrices” – project leader
- Trainings** 2014: Radiation Protection qualification (nr. BF04/2014)
2013: Training Course on Fundamentals of Geological Disposal, Fellowship from IAEA
2008: Central European Training School on Neutron Scattering
- Memberships** 2015 - Hungarian Society of Materials Science
2010 - American Crystallographic Association
2009 - Hungarian Nuclear Society
2004 - Diffraction Committee of the Roland Eötvös Society of Physics
2004 - Synchrotron Neutron Com. of the Roland Eötvös Society of Physics
2003 - Hungarian Glass Society