

PERSONAL INFORMATION

Attila Hirn



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Sex Male | Nationality Hungarian

WORK EXPERIENCE

Feb 2016–Present

Senior researcher

Centre for Energy Research, Budapest (Hungary)

Until Aug. 31, 2019: Centre for Energy Research, Hungarian Academy of Sciences

- Head of the Space Research Department (2020 -)
- Head of the Space Dosimetry Research Group (2010 - 2019)
- Member of the Scientific Council of the institute
- Scientist in the RadMag development team for the RADCUBE IOD CubeSat mission
- Scientist in the D3S-RadMag development
- PI for the Pille-ISS thermoluminescent service dosimeter system on board the Russian Segment of the ISS
- PI for the TRITEL-RS 3D silicon dosimeter system on board the Russian Segment of the ISS

2012–2016

Guest scientist

Max Planck Institute for Solar System Research, Göttingen (Lindau) (Germany)

- Guest scientist in the following periods:

June – July 2016

June – July 2015

Nov – Dec 2014

Nov – Dec 2013

Sept – Oct 2012

- Ground calibration measurements with the laboratory model of the Rosetta/DIM instrument
- DIM data evaluation (ESA's Rosetta-Philae mission)

Dec 2009–Jan 2016

Researcher

Centre for Energy Research, Hungarian Academy of Sciences, Budapest (Hungary)

Until Dec. 31, 2011: Hungarian Academy of Sciences KFKI Atomic Energy Research Institute

- Head of Space Dosimetry Research Group (2010 - 2019)
- Member of the Scientific Council of the institute (Apr 2015 -)
- Member of the Scientific Council of the research centre (Feb 2012 - Apr 2015)
- Development of different versions of the 3D silicon detector system TRITEL
- PI for the TRITEL-SURE project (TRITEL on board the Columbus modul of the ISS)
- PI for the TRITEL-RS project (TRITEL on board the Russian Segment of the ISS)
- Col of the Dust Impact Monitor (DIM) instrument on board Rosetta's Lander Philae

Sep 2005–Nov 2009

Junior researcher

Hungarian Academy of Sciences KFKI Atomic Energy Research Institute, Budapest (Hungary)

- PhD student
- Development of different versions of the 3D silicon detector system TRITEL

EDUCATION AND TRAINING

2017 **Comprehensive Radiation Protection Course**
Budapest (Hungary)

2005–2009 **PhD degree in Physics**
Budapest University of Technology and Economics, Budapest (Hungary)

- PhD thesis: Development of space dosimeter systems
- Fields: radiation protection, nuclear techniques

2005–2009 **European Student Earth Orbiter programme**
European Space Agency Education Office and Student Space Exploration and Technology Initiative, Noordwijk (Netherlands)

- Responsible for ESEO-TRITEL development (3D silicon detector telescope for radiation/dosimetry measurements) in the LangMuir Probe (LMP) team

Jun 2005 **Space Technology Course**
CNES, Toulouse (France)

- Spacecraft techniques and technology

Jun 2004–Sep 2004 **CERN Summer Student Programme**
CERN, Geneva (Switzerland)

- Participation in the radiation tolerant tests of the ALICE Detector Data Link (DDL)
- GUI development in tcl/tk for the DDL Read-out Receiver Card (D-RoRC)

2000–2005 **MSc Degree in Engineering-Physics**
Budapest University of Technology and Economics, Budapest (Hungary)

- Masters' thesis: Development of a silicon detector space dosimetry telescope
- Speciality: Nuclear Techniques

PERSONAL SKILLS

Mother tongue(s) Hungarian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B2	C1	C2
German	B1	B2	B1	B2	B2
French	B1	B2	A2	A2	A2
Spanish	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills Head of EK Space Research Department (2020 -)
Secretary-General of the Hungarian Astronautical Society (2018 -)
Deputy Secretary-General of the Hungarian Astronautical Society (2015 - 2018)
Member of the Presidium of the Hungarian Astronautical Society (2009 - 2015)
Head of the Space Dosimetry Research Group (2010 - 2019)
Founding member of the Hungarian Aerospace Technology Platform (2007 -)

ADDITIONAL INFORMATION

Honours and awards Medal for the Hungarian Space Research (Ministry of National Development, 2016)
Youth Prize of MTA Centre for Energy Research (2013)
Radiation Protection Award, general category (Somos Foundation, Hungary, 2013)
Nagy Emő Prize (Hungarian Astronautical Society, 2012)
Junior Researcher Prize (Health Physics Section of the Roland Eötvös Physical Society, Hungary, 2009)

Memberships Member of the Space Research Scientific Council of Hungary (2019 -)
Member of the Hungarian Nuclear Society (2007 -)
Member of the Hungarian Radiation Protection Association of the Roland Eötvös Physical Society (2007 -)