

PROFESSIONAL CURRICULUM VITAE

Dr. Kristóf Csaba Horváth, PhD

I. Personal data

Born in Hungary on 1974.03.13.

Hungarian citizen.

Married with four children

II. Education

2004-2006: Miklós Zrínyi National Defence University, Doctoral School, military engineering, PhD

1999-2001: College of Economy Budapest, international financial trade management, BSc

1992-1997: Roland Eötvös Scientific University, Budapest, Faculty of Natural Science, physics teacher, MSc

1992-1997: Technical University of Budapest, Faculty of Natural and Social Sciences, nuclear engineering physicist, MSc

III. Scientific activity

2015- Lecturer and PhD mentor, National Public Administration University, Budapest, military engineering doctoral school

2016-2017 Lecturer on István Széchenyi University, Győr, nuclear lawyer education

2006: PhD, military engineering

2006: György Hevesy award of the Hungarian Academy of Sciences for the best PhD in the field of nuclear safety and security

One of the authors of the book of Radiation Protection, author of tens of scientific articles in Hungarian and international journals, hundreds of lectures and presentations in international and regional conferences and workshops in the field of nuclear safety, nuclear security, safeguards and non-proliferation, and radiation protection.

Founding member of the Youth for Nuclear in Hungary, member of the Hungarian Nuclear Society, former member of the Design Committee and the Environmental Analytics Committee of the Hungarian Academy of Sciences.

IV. Language skills

Hungarian: mother tongue

English: fluent

German: working level

French: basic level

Russian: basic level

V. Professional carrier

2024- : Principal consultant and owner of AS Nuclear Engineering Service Ltd

2023- : Senior consultant at ENCO Consulting Ltd

2021-2024 : International Atomic Energy Agency, unit head, security of nuclear material and nuclear facilities, Department of Nuclear Safety and Security, Division of Nuclear Security

2017-2020: International Atomic Energy Agency, senior nuclear security officer, Department of Nuclear Safety and Security, Division of Nuclear Security

2012-2017: Hungarian Atomic Energy Authority, deputy director general (deputy chairman)

2005-2012: Hungarian Atomic Energy Authority, head of department, Department of Nuclear and Radioactive Material

2004-2005: Hungarian Atomic Energy Authority, head of section, Section of Emergency Preparedness and Training

1997-2004: Hungarian Atomic Energy Authority, nuclear safety inspector

VI. Professional achievements

Public Administration

1997-2017 20 years of experience in public administration, drafting and implementing acts, decrees, cooperation with ministries, partner authorities, Hungarian and foreign licensees

2005 European Computer Driving License

2004 Public Administration high level degree

2001 Public Administration basic degree

Major Hungarian achievements

2023 – Contributor to the Operation and Regulation of the Hungarian Nuclear Energy Sector (in publication)

2016 – Liaison officer for the IAEA EPREV mission, chair of the High Level Working Group coordinating the development and implementation of the National Nuclear Emergency Response Plan

2010-2016 Leading the development and implementation of the radiation protection requirements and the corresponding regulatory system (preparation and coordination of transferring the regulatory functions from the former radiation protection authority to the Hungarian Atomic Energy Authority)

2008-2013 Leading the development and implementation of the nuclear security requirements and the corresponding regulatory system (preparation and coordination of transferring the regulatory functions from the former physical protection authority to the Hungarian Atomic Energy Authority)

2007-2011 Leading the introduction of the comprehensive electronic registration and control of radiative sources and wastes

2008 Chairing the committee coordinating the national exercise on detection and response to illicit trafficking of radiative material

2006-2008 Leading the review and restructuring of the non-proliferation regime (after joining the EURATOM Treaty)

1997-2005 Founder of the national nuclear emergency preparedness and response system

Major international achievements

2024 Supporting the World Institute of Nuclear Security (WINS) in a SMR employment related project

2023-2026 Project manager of EU INSC TR3.01/22 project Further strengthening the nuclear safety and radioprotection regulator in Türkiye (on-going)

2021-2023 Coordinating the review, revision and publication of IAEA NST-063 Identification of Sabotage Targets and Vital Areas at Nuclear Facilities and IAEA NST067/DS533 Management of the Interfaces between Nuclear and Radiation Safety and Nuclear Security

2021-2023 Lead of technical programme of nuclear security of Small Modular Reactors and Advanced Nuclear Reactors

2023 Contributor to the IAEA World Fusion Outlook

2021-2022 Contributor and coordinator of the development of IAEA TRS No. 1000 The Nuclear Safety and Nuclear Security Interface: Approaches and National Experiences, and TRS No. 1003 Regulatory Oversight of the Interfaces Between Nuclear Safety and Nuclear Security in Nuclear Power Plants, IAEA Services Series Nuclear Security Self-Assessment

2021 Member of IAEA Publication Committee

2020 Member of the IAEA INIR mission in Belarus

2018-2020 Coordinating the review, revision and publication of IAEA NSS No.10 (Rev.1) National Nuclear Security Threat Assessment, Design Basis Threats and Representative Threat Statements and NSS No.27-G Physical Protection of Nuclear Material and Nuclear Facilities

2018-2023 Leading the IAEA Task Force on Legislative and Regulatory Framework, assisting Member States in more than 50 countries in regulation development

2017-2023 Preparation for and conduct of IPPAS missions in Czech Republic, Senegal, Uruguay, Madagascar, Lebanon, Switzerland, Ecuador, DRC, Australia, Lithuania, Niger, Burkina Faso, Turkey and the Netherlands.

2010-2018 Participation in several EURATOM projects to assist regulatory authorities of non-member states in Iran, Mongolia, Jordan, Turkey, Ghana

2015 Chair of the European Nuclear Security Regulators' Association (ENSRA)

2014 Participation in the Nuclear Security Summit in the Hague as the special nuclear security advisor of the minister for foreign affairs

2013-2017 Member of EURATOM Article 31 (Radiation Protection) Group of Experts

2013 Member of the European Nuclear Safety Regulators' Organisation (ENSREG)

2012 Participation in the Nuclear Security Summit in Seoul as the special security advisor of the President of the Republic

2010-2017 Member of European Nuclear Security Regulators' Association (ENSRA)

2011-2012 President of the European Safeguards Research and Development Association (ESARDA)

2009-2010 Vice-President of the European Safeguards Research and Development Association (ESARDA)

2006-2013 Member of Advisory Committee of the EURATOM Supply Agency

2005 Member of the Preparation Committee of CONVEX-3 international nuclear emergency response exercise

2001-2017 Participation in IAEA peer review missions in the field of safety, security and safeguards: 2005 USA Brunswick NPP (OSART), 2007 Germany Neckarwestheim NPP (OSART), 2008 Georgia (IPPAS), 2009 Finland (IPPAS), 2009 Singapore (IPPAS) – team leader, 2010 Cuba (IPPAS), 2010 Serbia (repatriation of spent fuel from Vinca), 2012 Finland (IPPAS), 2013 Australia (IPPAS) – team leader, 2015 Norway and New Zealand (IPPAS) – team leader

2001-2017 Chairing technical meetings and workshops of the IAEA and EURATOM,
delivering lectures in the field of nuclear safety, security and non-proliferation
2001 Two month IAEA fellowship in the French IPSN institute

Budapest Hungary 2024

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