

Education and Academic career:

2009-2014 Hunyadi János Secondary School, Csorna – Language faculty, graduated with honors.

2014-2018 BSc in Physics, Budapest University of Technology and Economics (BME), Faculty of Natural Sciences.

2018-2020 MSc in Physics, Research Physicist Specialization, BME – Graduated with distinction.

2020-2024 PhD Candidate, BME, Doctoral School of Physical Sciences, achieved absolutorium.

2017-2020 **Demonstrator, Nuclear Techniques Institute, BME**

2024-2025 **Assistant Lecturer, Nuclear Techniques Institute, BME**

2025-present **Assistant Professor, Nuclear Techniques Institute, BME**

Achievements and Grants:

- **2017:** Dean's Award at TDK conference, nominated for OTDK.
- **2019:** 3rd Place, OTDK (National Scientific Student Conference).
- **2023:** Recipient of the New National Excellence Program (ÚNKP) research scholarship.
- **2024:** Young Researcher EKÖP Grant Winner.

Languages:

- English: Advanced (C1) ECL certificate, 2012.
- French: Intermediate (A2–B1).
- German: Basic proficiency.

Publications and conferences:

- [1] D. Kis and R. Szilvasi, J. Phys. G: Nucl. Part. Phys. 45, 045103 (2018)
[2] Réka Szilvási and Dániel P Kis, J. Phys. A: Math. Theor. 55, 275301 (2022)
[3] R. Szilvasi, D. P. Kis, Results in Physics, Volume 54 107080 (2023)
[4] Réka Szilvási and Dániel P Kis: J. Phys. G: Nucl. Part. Phys 51, 055101 (2024)
[5] Réka Szilvási, István Andorfi and Dániel P Kis Nucl. Phys. A 1053 122968 (2025)
published online, october 2024

- **ARIS 2023** (Advances in Radioactive Isotope Science) (Avignon, Franciaország)

Poster presentation: „Complex-energy based description of alpha-tunneling in intense laser fields”

<https://indico.in2p3.fr/event/19688/registrations/participants>

https://indico.in2p3.fr/event/19688/attachments/56673/113786/posters_final_track.pdf

- **MAGYAR MAGFIZIKUS TALÁLKOZÓ 2024 (Debrecen)**

Oral presentation: „Az alfa-bomlás vizsgálata a nem-Hermitikus kvantummechanika módszereivel 3: Alfa-cluster szuper-intenzív lézertérben”

https://indico.wigner.hu/event/1600/attachments/2796/5672/Magfiz_Talalkozo_program.pdf

- **TAVASZI SZÉL CONFERENCE 2022 (Pécs)**

Oral presentation: „A komplex energia megváltozásának vizsgálata időfüggő, perturbált bomló rendszerekben”

https://dosz.hu/rendezveny/tavaszi_szel_2022

- **ÚNKP conference 2024**