

Curriculum Vitae

Dr. Ágoston Kristóf Schranz

Assistant professor

Mobile Communications and Quantum Technologies Laboratory (MCL), Department of Networked Systems and Services (HIT), Faculty of Electrical Engineering and Informatics (VIK)

Budapest University of Technology and Economics (BME)

E-mail: aschranz@hit.bme.hu

Personal

Date and place of birth: July 23, 1992, Budapest, Hungary

Spoken languages: Hungarian (native), English (professional working proficiency), German (limited working proficiency)

Experience

Assistant professor	BME-HIT MCL	Sep 2022 –
Research fellow	ELKH-BME ISRG	Jul 2022 –
Assistant research fellow	BME-HIT MCL	Feb 2021 – Sep 2022
Ph.D. student	BME-HVT	Feb 2017 – Jan 2021

Degrees

Ph.D. Electrical engineering, BME Doctoral School of EE	2022	Summa cum laude
M.Sc. Electrical engineering, BME-VIK	2017	Excellent, with honors
B.Sc. Electrical engineering, BME-VIK	2015	Excellent

Research interests and professional activities

The research of Ágoston Schranz is focused on the physical aspects of quantum communications and related topics, most notably quantum random number generation. His expertise includes optical communications, optical and radio frequency measurement technology, and mathematical modelling (of, e.g., random number generators). He has been involved in education at the Faculty of Electrical Engineering and Informatics since 2017, teaching subjects related to optical networks, optical devices, quantum communications, quantum random number generation and digital communications. Dr. Schranz is also actively taking part in the creation of new courses and educational materials. He worked at the University of Ljubljana during a short-term scientific mission of three weeks in the summer of 2022. Dr. Schranz is currently a member of the Eötvös Loránd Research Network-BME Information Systems Research Group and has been a member of IEEE since 2023. He is the author of five journal papers, nine conference papers and a book chapter.