

## **Dr. László Bacsárdi**

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Laszlo Bacsardi obtained M.Sc. degree in computer engineering at Budapest University of Technology and Economics (BME), Budapest, Hungary in 2006. He wrote his PhD thesis on the possible connection between space communications and quantum communications at the BME Department of Telecommunications in 2012. He is member of the Hungarian delegation to the European Space Agency (ESA) since 2020 and became full member of the International Academy of Astronautics (IAA) in 2022.

He is the leader of the quantum communication activities at the Quantum Information National Laboratory of Hungary as well as the coordinator of the fiber-based and free-space quantum key distribution (QKD) developments in the Hungarian project of the EuroQCI, the European Quantum Communication Infrastructure. With the quantum communication research group at BME co-lead by him and Professor Sándor Imre, they built QKD device based on BB84 protocol, continuous variable QKD device, optical quantum random number generators and free-space entanglement-based QKD system. Currently, they are working towards satellite-based quantum communication.

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List of scientific publications:

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10022296>