



Contribution ID: 5

Type: **not specified**

# Spacebased Quantum Communications

*Wednesday 5 February 2020 12:38 (11 minutes)*

Quantum Key Distribution (QKD) protocols have attracted a lot of attention since their first proposal in 1984. In the last decade, many implementations of different protocols have been performed worldwide. However, a large-scale network has not yet been achieved. In this work, a miniaturized and scalable system is design and tested in order to be used for practical applications. For example, the development of a quantum payload for a CubeSat to establish a ground-to-satellite quantum communication device.

**Author:** MENDES, Pedro (IST)

**Presenter:** MENDES, Pedro (IST)