

SEMINARIO
Departamentos de Física Teórica I y II
Universidad Complutense de Madrid

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TITULO: The Tokyo QKD Network

LUGAR: FACULTAD DE CIENCIAS FÍSICAS UCM

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HORA: 14:30

AULA: Seminario Depto. Física Teórica I, Planta 3ª

ABSTRACT

In the first part of my talk, I will present activities of the project in Tokyo QKD network. In particular, I introduce a recent long term field test of our QKD system. The second part of the talk will be devoted to side-channel issues of QKD. QKD is said to be unconditionally secure, but it is based on some assumptions on the users' devices. That is, the actual devices have to operate as the mathematical models that the security proof requires. Unfortunately, there is a gap between the theory and the actual devices, and I will introduce some counter-measures to close this gap.