Joint CQSE & NCTS Seminar

2022
Apr. 22, Friday

TIME Apr. 22, 2022, 2:30~3:30pm
TITLE Quantum Cryptography Service Network talk for NTU Physics
SPEAKER Senior Researcher, Tzuoh-chyau Yeh (Broadband Networks Laboratory, Telecommunication Laboratories, Chunghwa Telecom Co., Ltd.
PLACE NCTS Physics Lecture Hall, 4F, Chee-Chun Leung Cosmology Hall, NTU

Abstract:

Quantum Cryptography telecommunicates between Alice and Bob, it is mean to RS-232 point to point communication that is not like Ethernet network communication. My Patent of QC technology is not only for point to point communication but also like Ethernet network communication. (Point to Multi-point or Multi-point to Multi-point). (Alice1 to (Bob1, Bob2, Bob3 ……) or (Alice1, Alice2, Alice3 ….) to (Bob1, Bob2, Bob3 ……)。 Obviously, point to point communication is not satisfying public requirement. The methodology QC of Point to Multi-point or Multi-point to Multi-point are going develop to practice of service. It is worth to investigation. Quantum computing has powerful calculated capability to find pseudo random keys of periodic rule, but can't find QC true random key of rule because keys of QC has not mathematic rule.

Biography Brief:

學歷:
1978 國立高雄科技大學 National Kaohsiung University of Science and Technology (NKUST)
1979 國防管理學院 行政預官 28 期
2011 國立台灣大學 電信所/電波組 碩士 Graduate Institute of Communication Engineering, National Taiwan University(NTU)
經歷:
1980 世大電機/工程部
1981 美商迪吉多電腦公司/維護部

1981 中華電研究院/寬網所~

主要著作:

1. Fiber Grating Filters and Optical Switching Module Applications
2. Base-band all-optical ether with its demonstration
3. Design of a Multicast Optical Packet Switch Based on Fiber Bragg Grating Technology for Future Networks
4. 動態架設塑膠光纖乙太區域網路介紹
5. 以全光纖乙太網路技術建構不易被癱瘓之戰備網路

主要專利:

1. TWI320489B 光纖光柵交換模組
2. TWI239733B 全光乙太網路點對多點協議系統
3. TWI600288B 光纖光交換機
4. TWI466523B 量子加密服務網路系統
5. TW202131650A 光隧道交換網路系統
6. US-9680642-B2 Quantum cryptography service network implementation structure