

## UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II

### PHD PROGRAM IN INFORMATION TECHNOLOGY AND ELECTRICAL ENGINEERING

#### Seminars Announcement

**Part I: Monday, December 9<sup>th</sup>, 2024 – 08:30am-10:30am, Room CL T-4 - Via Claudio 21, NAPOLI**

**Part II: Wednesday, December 11<sup>th</sup>, 2024 – 08:30am-10:30am, Room CL II-2 - Via Claudio 21, NAPOLI**



#### Dr. Lorenzo Miniero

Lorenzo is the chairman and co-founder of [Meetecho](https://meetecho.com), a company offering consulting services on everything related to real-time multimedia, while also regularly providing streaming and remote participation services for well-known events around the world (IETF, RIPE, etc.). Lorenzo received both his degree and his Ph.D. from the Computer Engineering Department of the University of Napoli Federico II, where he started working on multimedia conferencing and met the colleagues with whom he co-founded Meetecho as an academic spin-off. He is an active contributor to the Internet Engineering Task Force (IETF) standardization activities, especially in the framework of real-time multimedia applications. He is most known as the author of the Janus WebRTC Media Server and Gateway, an open source WebRTC server-side implementation.

## “QUIC: the secure protocol shaping the future of real-time communication over the Internet”

QUIC has been recently standardized as a new, secure-by-design, transport protocol. It is slowly becoming the de-facto building block for the future protocols of the internet, such as HTTP/3. One important field of investigation is figuring out how to use QUIC for transporting real-time media as well, for different use cases ranging from broadcasting to conferencing and beyond. With special regard to real-time multimedia applications, the Internet community has started to revise the existing alternatives, with an eye on the new mechanisms that are currently being devised within standardization bodies in order to make them possible using QUIC as well. Two initiatives are gaining momentum in this field: (i) RTP Over QUIC (RoQ); (ii) Media Over QUIC (MoQ). This series of seminars will delve into the details associated with such initiatives, while at the same time analyzing their co-existence with the recently standardized WebRTC (Web and Real Time Communication) architecture.

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