

Mattia Quadrini is currently a Ph.D. student in Electronic Engineering at University of Rome "Tor Vergata". The main research interests are focused on Satellite Communications and design of protocols and technologies for heterogeneous networks.

He graduated cum laude in 2019 in ICT and Internet Engineering at University of Rome "Tor Vergata". From May to October 2019 he was granted for an internship with "*Consorzio Nazionale Interuniversitario per i Trasporti e la Logistica*" (NITEL). The addressed activities were in the frame of the ESA ARTES AT project VIBeS (IMPLEMENTATION OF VIRTUALISED NETWORK FUNCTIONS (VNFS) FOR BROADBAND SATELLITE NETWORKS) and specifically: the configuration of Virtual Network Functions (VNFs) for the performance optimization of the web-traffic over integrated satellite links in 5G networks and the validation of a "*QUIC-proxy*" solution. He has been involved in ESA research projects in the telecommunication field. During its Ph.D. program he recently started a collaboration in the frame of the SATELLITE BACKHAULING PROTOTYPE FOR FUTURE NARROW BAND INTERNET OF THINGS (NB-IOT) NETWORKS (ARTES AT 6B.041) project.

He is author of some scientific publications in international journals and conferences.