

FABRIZIO FUSELLA

Education

Master of Hydraulic and Structure Engineering July 2019
University of L' Aquila (Italy) - La Sapienza, University of Rome (Italy)

Bachelor in Civil Engineering April 2012
University of L' Aquila (Italy)

Publications:

Free Space Optics for high-speed wireless link: a numerical model of atmosphere for Laser propagation in stochastic and dishomogenous media. (2019)

Mathematical modeling of tapered microstructured optical fiber for deformation sensor. (2012)

Work experience

Researcher in the Physics Department of La Sapienza, University of Rome (Italy), as winner of the research grant related to the project entitled:

“Data analysis and turbulence models for Free-Space Optical Communication” .

Independent Researcher for La Sapienza, University of Rome (Italy), under the project “D.D.F.S.O.” (Dynamic Drone Free Space Optics) aimed at creating a reconfigurable optical link using drones for the fast and secure information exchange.

Self financed student by providing private lessons on physics for engineering student and by temporary assisting in the construction industry as a part of a engineering team.

Corporate stage at municipal administration of Chieti (Italy), urban planning and construction sector.

School guidance and counselling activities for future students as tutors of the technical economic and technological institute.

Skills

Team player, capacity to work under stress, solution minded, passionate about innovation, client orientation.

Computer sciences: Numerical calculation with Matlab and Mathematica, Analysis at finite elements with Sap 2000, Autocad, Office package.

Languages: Italian mother tongue, working knowledge of English.

Interests

Scientific research, applied physics for innovation products, testing engineering, analysis of the performance and reliability of engineering systems, marketing and feasibility study.

Travel to discover new cultures, reading, running, skateboarding, game mechanics of retrogames.

Member of an association for social promotion, instruction and health education in Ethiopia.

Member of a student football association.