Università degli Studi di Catania
Jacob.T.Schwartz International School
For Scientific Research
C.F. 93035610877

c/o Dipartimento di Matematica e Informatica
Viale A. Doria, 6 - I 95125 Catania, ITALY
Tel:+39-95-7383071 - Fax: +39-95-330094
e-mail: ferro@dmi.unict.it
http://lipari.dmi.unict.it

To whom It may concern.

This is to certify that **Yusupov Jaloliddin** did participate to the "Lipari School on Network and Computer Sciences - Jacob T. Schwartz International School for Scientific Research" entitled *Network Programmability: Emerging methodologies, technologies, and applications* from July 09-15, 2017, in Lipari Island, Italy.

This also certifies that the student passed the final exam with a score of **A-**.

The amount of hours of the Lipari School course corresponds to a **6** credits course. The school included the following courses:

Lecturers

- **Holger Karl** (*Paderborn University, Germany*)
  A path to the Future Internet: Networks controlled by software and softwarized networks
- **Ali Al-Shabibi** (*ON.Lab, USA*)
  Distributed ONOS Application Implementation
- **Gianni Antichi** (*Cambridge University, UK*)
  SDN at IXPs: practical challenges
- **Nikolaj Bjorner** (*Microsoft Research, USA*)
  Tools and Algorithms for Network Verification

Invited Talks

- **Stefano Paris** (*Huawei, France*)
  A view to Software Defined Network through an Algorithmic Perspective
- **Giuseppe Bianchi** (*University of Rome Tor Vergata, Italy*), **Antonio Capone** (*Politecnico di Milano, Italy*)
  Stateful data planes in Software Defined Networks
- **Giacomo Morabito** (*University of Catania, Italy*)
  Wireless Software Defined Networks
- **Roberto Bifulco** (*NEC Labs Europe, Germany*)
  Rethinking the design of software network functions: challenges and opportunities

Lipari, July 15th, 2017

Alfredo Ferro
Director of the School