



April 20, 2017

Andrea Campanella

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Software Defined Networks (SDN) and ONOS (Open Network Operating System)

April 20, 2017 – h 14:00

Grey Room – TeCIP Institute

ONOS is an open source project started in 2014 at On.Lab (Open Networking Laboratory) and hosted by The Linux Foundation. The goal of the project is to deliver a software-defined networking (SDN) OS for service providers that has scalability, high availability, high performance and APIs to make it easy to create apps and services that control the traffic in the network. Today the platform is based on a solid architecture written in Java, and has quickly matured to be feature rich and production ready. The community has grown to include over 50 partners and collaborators (with AT&T, Verizon, Huawei, Cisco, and China Unicom among others) that contribute to all aspects of the project, from code development, to use cases and deployments. The talk will be an introduction to SDN and ONOS with a developer focus, presenting collaboration opportunities for students and professors to get involved in the project.



Short Bio: Andrea Campanella is a Member of Technical Staff at ON.Lab, ONOS and CORD Ambassador and Member of the A-Team. Andrea joined On.Lab in October 2015 as a Research Scholar Intern. Andrea received a Master's Degree in Computer Science (110/110) in December 2016 after a Bachelor's degree in Digital Communication. Both degrees were obtained at the Public University of Milan, Italy. His Master's thesis focused on SDN, ONOS, device and protocol integration. At ON.Lab, Andrea is on the ONOS core development team focusing on southbound architecture, protocol integration and driver subsystems. Andrea is also part of the Packet/Optical Use Case team. In the CORD project Andrea focuses on the Enterprise use case developing XOS services and ONOS applications to

support enterprise network needs. Andrea is also part of the A-Team and is active in shaping the ONOS community. In his free time Andrea enjoys photography, hiking, sailing, biking, and playing basketball.

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