

INNOVATION WORLD CUP NEUCHÂTEL DEVELOPER WORKSHOP 20 September 2017



CSEM

Rue Jaquet-Droz 1
2000 Neuchâtel
Switzerland

**HOW TO DEVELOP
IOT SOLUTIONS WITH
ST STARTER KIT AND
MICROSOFT AZURE
CLOUD**

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09:00am

WELCOME AND INTRODUCTION TO STM32 OPEN DEVELOPMENT ENVIRONMENT

Fabrizio Rovati, SW Platforms Director, **STMicroelectronics**

09:20am

INTRODUCTION TO MICROSOFT AZURE IOT

Francesco Dauri, Cloud Solution Architect – IoT, Data Platform and Analytics, **Microsoft**

09:40am

DEVELOPER WORKSHOP - GETTING STARTED WITH ST IOT STARTER KIT FOR MICROSOFT AZURE

Emanuele Quacchio, Project Leader Embedded Software, **STMicroelectronics**

During this workshop, you will learn hands-on how to connect the STMicroelectronics IoT Starter Kit to Microsoft Azure and quickly start to build IoT solutions.

The IoT Starter kit (P-NUCLEO-AZURE1) includes a powerful STM32 Microcontroller and several expansion boards for Wi-Fi and NFC connectivity along with inertial and environmental sensors.

The kit contains:

- **NUCLEO-L476RG** (STM32 Nucleo-64 development board with STM32L476RG MCU)
- **X-NUCLEO-IDW01M1** (Wi-Fi expansion board based on the SWPF01SA module)
- **X-NUCLEO-IKS01A2** (motion MEMS and environmental sensor expansion board)
- **X-NUCLEO-NFC01A1** (dynamic NFC tag expansion board based on M24SR).

Free software package containing source code, libraries, and binaries (FP-CLD-AZURE1) is available for download from st.com and will be used during the workshop to connect the ST boards to the Azure IoT services; through application examples participants will learn how to transmit and monitor sensor data, and how to implement a complete Device Management solution including provisioning, device configuration and Firmware Update.

Participants will receive free of charge the P-NUCLEO-AZURE1 Starter Kit.

12:00pm

LUNCH AND GET-TOGETHER

1:00pm

START OF INNOVATION WORLD CUP CONFERENCE NEUCHÂTEL

For further information
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