ID VERIFIED

# CERTIFICATE of ACHIEVEMENT

edX IEEE



**Dr. Phillip Laplante**
Professor of Software and Systems Engineering
*The Pennsylvania State University*



**Dr. Saurabh Sinha**
Vice President
*IEEE Educational Activities Board*

This is to certify that

## El Mehdi Benchannouf

successfully completed and received a passing grade in

## CloudIntro.x: Introduction to Cloud Computing

a course of study offered by IEEEx, an online learning initiative of IEEE through edX.

VERIFIED CERTIFICATE
**Issued July 30, 2015**

Verify the authenticity of this certificate at
**https://verify.edx.org/cert/7762cca3ae2e49f29a1c7c68946572e4**