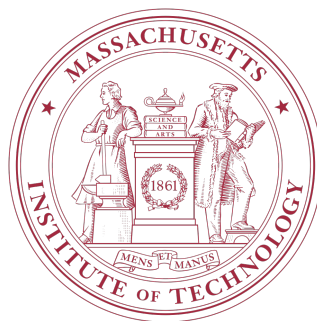




Massachusetts Institute of Technology

This is to certify that

Thomas J Ballatore



has successfully completed

Introduction to Quantum Computing

Awarded 2.0 Continuing Education Units (CEUs)

April 9 - May 14, 2018

A handwritten signature in cursive script, reading 'William D. Oliver'.

William D. Oliver

Professor of the Practice of Physics
Assoc. Director of the Research
Laboratory of Electronics
Fellow at MIT Lincoln Laboratory
Massachusetts Institute of Technology

A handwritten signature in cursive script, reading 'Isaac Chuang'.

Isaac Chuang

Professor of Physics
Professor of Electrical Engineering
and Computer Science
Sr. Associate Dean of Digital Learning
Massachusetts Institute of Technology

A handwritten signature in cursive script, reading 'Peter W. Shor'.

Peter W. Shor

Morss Professor of Applied
Mathematics
Massachusetts Institute of Technology

A handwritten signature in cursive script, reading 'Aram W. Harrow'.

Aram W. Harrow

Associate Professor of Physics
Massachusetts Institute of Technology