Quantum Programming Workshop for Purdue Women Engineers and Scientists

Scan to register

Date & time: Feb 25th 2022, 11:59 AM to 4:00 PM

<u>In-Person</u> Location: Neil Armstrong Hall of Engineering Room 2008

(Virtual attendees can use Zoom)

Open registration:

https://purdue.ca1.qualtrics.com/jfe/form/SV_3yifGFEsUYmUX8q

Learning from the history of the digital revolution in which women played a significant role in driving software development in the early days, the IQPARC project is paying particular attention to attracting women scientists and engineers from different disciplines at Purdue.

IQPARC is holding a half-day hands-on hybrid workshop (<u>lunch provided for in-person attendees at 11:30 am</u>) for women engineers and scientists at Purdue. The workshop features webinars by Industry leaders, e.g., Microsoft, IonQ, and Quantum Computing Inc., and Purdue's Professors and students on the following topics:

- **Introduction to IQPARC (10min)**
  Prof. Mahdi Hosseini (Purdue ECE)
- **Introduction to IonQ quantum processors (50min)**
  Sarah Kreikemeier, Senior Mechanical Engineer, IonQ Inc. (NYSE: IONQ)
- **Cloud quantum programming, Microsoft Azure Quantum (120min)**
  Mariia Mykhailova, Principal Software Engineer at Microsoft Quantum
- **Solving optimization problems with quantum computers, Quantum Computing Inc. (50min)**
  QCi Presenter: TBA
- **Cloud quantum programming using IBM Qiskit language (50min)**
  Purdue student presenter: Ganga Jayarathna, recorded video will be available on IQPARC.com after the workshop

All attendees will receive a certificate of competition from IQPARC. Moreover, attendees will have opportunities to participate in follow-up programming events(with free access to quantum computers) and apply for awards and summer scholarships offered by IQPARC.

To learn more about the Center for Innovation in Quantum Pedagogy, Application and its Relation to Culture (IQ-PARC), please visit the home page at https://www.iqparc.com
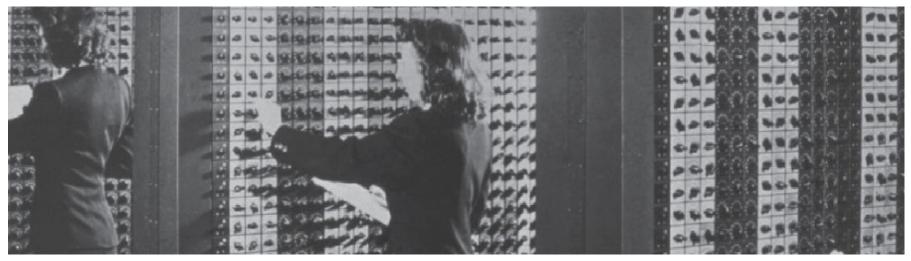Questions can be directed to: lidongyang@purdue.edu

*Figure 1*Photo credit: https://www.history.com/news/coding-used-to-be-a-womans-job-so-it-was-paid-less-and-undervalued*

EA/EOU