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Type: **Invited Speaker / Conférencier(ère) invité(e)**

Teaching quantum computing to undergraduates with no physics background

Wednesday 29 May 2024 11:30 (30 minutes)

The rapid growth in interest in quantum technologies has resulted in the need to expand traditional course offerings and degree programs to train the next generation of researchers and quantum scientists. Most programs have focused on graduate courses and research opportunities for students with a physics background. Laurier's combination of physics and computer science within a single undergraduate department, provided a unique opportunity to introduce the first undergraduate 3rd year course in quantum computing, open to all science majors with the required mathematical background. This talk will describe the goals and framework used to build the course, the outcomes over the past ten years of teaching the course and the lessons learned along the way.

Keyword-3

Keyword-2

Keyword-1

Presenter: GHOSE, Shohini

Session Classification: (DQI/DPE) W2-4 Q-STATE: Quantum education - Three Perspectives | Q-STATE : L'éducation quantique - Trois perspectives (DIQ/DEP)