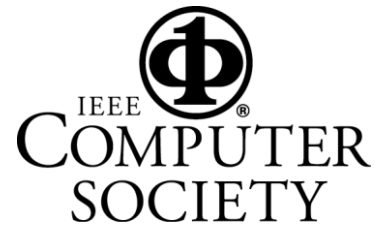


PRINCETON ACM / IEEE-CS CHAPTERS
MAY 2026 JOINT MEETING



A Deep-Physical Look at Quantum Computing

The talk begins with a description of how David-Deutsch-style quantum computing was supposed to undermine all prime-number cryptography methods by using only 15 qubits. Not 15 thousand or 15 million: 15 qubits. What happened after that, and why usable quantum computing continues to stump the world decades later, is the topic of this talk.

Terry Bollinger will approach his description of quantum computation starting at the profound but subtle split in quantum physics perspectives between Richard Feynman (QED) and Hugh Everett (many-worlds). This split continues to haunt the field to this day. Terry will describe the current status of quantum computing, discusses how broadening Feynman's approach may help, and addresses the intriguing question of whether room-temperature quantum computing is the reason why living and thinking systems are so successful at defying entropy while using little energy.

Terry Bollinger is a computer scientist with BS, MS, and Professional Degrees from the Missouri University of Science and Technology. For many years, he quietly helped define and get US Federal funding for university and small business research in artificial intelligence and robotics, as well as assessing and helping identify the relevance of emerging information and hard-science private sector companies. Terry knew and supported Yann LeCun back when few people had ever heard of him, and he strongly promoted FireEye (which later sold for \$2B) when it was a garage outfit.

Date: Thursday, May 21, 2026, 8:00pm EDT

Place: **VIRTUAL MEETING** (online only)

How to get the Zoom link for the online meeting:

- Send email to **PrincetonACM@gmail.com**
- OR look up the meeting on **Meetup.com**
(<https://meetup.com/IEEE-Princeton-Central-Jersey-Section>)
- OR visit <https://manclswx.com/acmzoom.html>

Information: Dennis Mancl (908) 285-1066

On-line info: <http://PrincetonACM.acm.org>

All Princeton ACM / IEEE Computer Society meetings are open to the public. Students and their parents are welcome.
No pre-meeting dinner for the May meeting.