

RISE-SPS Talk

- Who?** Barry Burd, Ph.D., Professor of Mathematics
- What?** Quantum Computing and Beyond
- When?** 12:00-1:00 on Wednesday, February 6
- Where?** Hall of Sciences, Room 326

In the not-too-distant future, quantum computing will blow away all the algorithms that currently keep our data secure. Quantum computers will do this by performing thousands of computations at once. But how can we sift the correct answer from all these simultaneous calculations? In this talk, I'll explain how quantum computers find needles in virtual haystacks. I'll also describe the next frontier: Solving problems that, on one level, are theoretically unsolvable.