ABSTRACT: From the structure of atoms, to the composition of stars, to teleportation, quantum physics has led to amazing discoveries over the past century. Understanding the microscopic world of atoms and photons has also led to modern technologies like lasers and computers that have transformed our lives. Yet the quantum world remains a mysterious place full of strange phenomena such as entanglement and quantum uncertainty. This is the story of my voyage into this weird and wonderful invisible world, and the surprising lessons I learned about physics and about being a physicist.

SPEAKER: Dr. Shohini Ghose
Professor, Physics and Computer Science, Wilfred Laurier University
Director, Centre for Women in Science (WinS)

As a girl, Dr. Shohini Ghose was inspired by Rakesh Sharma, the first Indian to go to space and wanted to become an explorer like him. She hasn't made it to space yet, but she did become an explorer of the quantum world. She is a theoretical physicist who examines how the laws of quantum physics can be harnessed to transform computing and communication. She also supports and celebrates women scientists as the Director of Laurier’s Centre for Women in Science. She loves teaching and has co-authored a bestselling astronomy textbook. Dr. Ghose is the recipient of several awards including a TED Senior Fellowship in 2018. She is a Researcher at the Perimeter Institute for Theoretical Physics, an Affiliate of the Institute for Quantum Computing, and a Fellow of the Balsille School of International Affairs. In 2017, she was named to the Royal Society of Canada’s College of New Scholars, Artists and Scientists. Dr. Ghose is working to create a vibrant and inclusive physics community in Canada as the Vice-President of the Canadian Association of Physicists.

THURSDAY FEBRUARY 28 2019 @ 7:30 PM
Stirling Auditorium | Free Admission
64 Bader Lane (Stirling Hall)

Refreshments start at 7:00 PM - All Welcome!
If you have any accessibility concerns, please contact Ms. Kyra Funk P: 613-533-2707 | E: funkk@queensu.ca

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