



INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS MONTHLY COLLOQUIUM

QUANTUM TECHNOLOGY: CONCEPTS AND PROSPECTS

A variety of quantum technologies are poised for significant breakthroughs in the coming years, implying life-changing consequences. I provide an overview of them, and then provide an account of quantum algorithms and simulations with practical applications in mind.

APOORVA D. PATEL

Apoorva D. Patel is a Professor at the Centre for High Energy Physics at the Indian Institute of Science, Bangalore. He obtained his MSc in Physics (1980) from the Indian Institute of Technology, Bombay, and his PhD in Physics (1984) from the California Institute of Technology, USA. He has extensively worked on lattice gauge theory investigations of Quantum Chromodynamics. He is also notable for his work on quantum algorithms, and the application of information theory concepts to understand the structure of genetic languages.

2.30 pm,
25 November, 2019
Madhava Hall
ICTS Bengaluru