Professor Richard Feynman was one of the most influential scientists of the last century who came to dominate much of physics in the years after World War II. His ‘Feynman diagrams’ to compute scattering amplitudes revolutionised the field of elementary particle physics and is used in many other fields of quantum physics. His formulation of quantum mechanics in terms of ‘path integrals’ is the modern way that is mostly used today. A completely independent thinker who was only steered by his own curiosity, his interests went beyond physics, also into biology and arts etc.

The conference will feature Feynman’s contributions in physics and beyond, and also discuss where the fields are today.

OUR DISTINGUISHED SPEAKERS INCLUDE:

Plenty of Room at the Bottom
Frank Wilczek
Nobel Laureate in Physics 2004
MIT; Tsung-Dao Lee Institute

Path Integrals
Cristiane Morais Smith
University of Utrecht

Feynman and Quarks
George Zweig
MIT

Feynman Diagrams and Amplitudes
Lance Dixon
SLAC National Accelerator Laboratory

Feynman and Art and Science
Robbert Dijkgraaf
IAS Princeton

Feynman and Experiments
Maria Spiropulu
Caltech

Feynman and Biology
Curtis Callan Jr
Princeton Univ.

Personality
Michelle Feynman
Daughter

QED/QFT
Pierre Ramond
University of Florida

Quantum Computers
Artur Ekert
Centre for Quantum Technologies, NUS

Feynman and AI
Danny Hillis
Thinking Machines Corporation and Applied Minds

CO-CHAIRS:

Frank Wilczek
Nobel Laureate in Physics 2004
MIT, Tsung-Dao Lee Institute

Lars Brink
Chalmers University of Technology

Kok Khoo Phua
Institute of Advanced Studies, NTU

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