

Urbasi Sinha is a Professor at the Raman Research Institute (RRI) in Bangalore, India and a Canada Excellence Research Chair at the University of Calgary, Canada and is the cofounder of a deep tech quantum start-up, *QuSyn Technologies*. She heads the Quantum Information and Computing lab at RRI and is an associate faculty member at both IQC and Perimeter Institute, Canada. Sinha completed her PhD and M.Sc. in Physics at Cambridge University as a Gates Cambridge and Nehru-Chevening scholar respectively. Her research focuses on quantum information processing, secure quantum communication, and precision tests of quantum mechanics using single and entangled photons.

Prof. Sinha has been associated with India's National Quantum Mission (NQM) since its inception, first as a member of the core DPR committee and now as the lead PI for the Technology group working on a multi node quantum repeater network for entanglement distribution based quantum communication as a part of the Quantum Communications hub. She has also been appointed the NQM nodal point at the Open Quantum Institute in Geneva in addition to being an advisory board member for the same.

Her recognitions include the Homi Bhabha Fellowship (2017), ICTP-ICO Gallieno Denardo Award (2018), and recognition among Asia's Top 100 scientists (2019). She received the Simon's Emmy Noether Fellowship at the Perimeter Institute (2020-2023) and led the winning team at the 2020 BRICS Future Skills Challenge in Quantum Technology. Recent honours include the ASSOCHAM Women in Cyber award (2021), SIES Chandrasekarendra Saraswathi National Eminence award (2023), a Distinguished International Associate award from the Royal Academy of Engineering, UK (2024), the Rashtriya Vigyan Puraskar: Yuva Shanthi Swarup Bhatnagar award from the Indian government (2024), the Gates Cambridge Impact Prize (2025) and the LakshmiPat Singhania IIM Lucknow National Eminence Award in Science and Technology (2025).