



Information and Announcements*

Summer School on Quantum Information and Quantum Technology (QIQT), 2019

at
Indian Institute of Science Education and Research Kolkata (IISER Kolkata)
Mohanpur, West Bengal 741 246, India
June 10–July 20, 2019

Quantum Information and Computing is the next giant technological leap. Amalgamating principles from computer science, engineering, and quantum physics, quantum computing allows us to perform certain computations with significant speedups over classical computers, simulate real-world quantum mechanical effects, perform simultaneous parallel computations, break the secure cryptographic protocols of today, etc., to cite a few examples. One of the most active fields of global research today, quantum computing and information is attracting scientists and engineers alike.

Keeping the above points in mind, IISER Kolkata is organizing a Summer School on Quantum Information and Quantum Technology (QIQT) during June 10–July 20, 2019. Sponsored by the Indian Academy of Sciences, the National Academy of Sciences, and the Indian National Science Academy, the summer school will focus on both the basics as well as advanced concepts in quantum computing, and will comprise various sessions on theoretical, technological, simulation and experimental aspects of quantum information and technology with speakers across India and abroad. Students will participate in laboratory visits for live demonstration of concepts and the IBM quantum experience. The summer school will prove to be a very effective academic and learning experience for participants interested in quantum computing, information, and technology.

Science and Engineering students interested in quantum information and technology are encouraged to apply online at <https://www.iiserkol.ac.in/qiqt19/>. Additional details about the school and programs can also be found online at the given website. For any enquiry and other clarifications, candidates mail at: qiqt19@iiserkol.ac.in.

Selected candidates will be eligible for a stipend of Rs 12,500 per month a part of which will cover accommodation and food. Sleeper class train fares will also be provided. There is no registration fee.

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