



## ICTS Colloquium

Title : Quantum devices using systems with impurities

Speaker : Ujjwal Sen, Harish-Chandra Research Institute, Allahabad

Date : Monday, November 7, 2016

Time : 3:00 pm

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : Using quantum mechanical rules can help us to greatly improve our abilities to communicate and compute. To realize such quantum-enabled devices requires controlling quantum systems and keep it from decohering. Impurities are inevitable in any real system, and can even be engineered. Interestingly, they can also be useful, and we look at this prospect from the perspective of quantum devices.