

THE FUTURE OF COMPUTING

About the talk

Rapid progress and frequent disruptive developments make it hard to predict the future of computing. However, some extrapolations can be made from observing current trends. This talk will present how developments like the projected end of Moore's law, the rebooting computing initiative, quantum, biological and neuromorphic computing at one end and the exploitation of cloud-based computing, edge/ fog computing, and the power of IoT at the other end are expected to expand computing to new horizons. The role of architectural enhancements in shaping the future face of computing shall also be discussed. And we will see how, in the midst of these revolutionary changes, the role played by women in STEM needs to be redefined and rigorously pursued.

Venue: Soorty Hall

Date: 10th May 2017

Time: 5:30 – 6:30 PM

Register at: <https://habib.edu.pk/sse-public-lecture/>

About the speaker

Dr. Hasina Khatoon has over 28 years of teaching experience at both graduate and undergraduate levels at NED University of Engineering and Technology (NED-UET) and at National University of Computer and Emerging Sciences (FAST-NU) at whose Karachi campus she currently also serves as Director. Her major areas of interest include High Performance Computing with special emphasis on new and emerging architectures including multicore processors. Other areas of teaching and research include Distributed systems, Microprocessor based system design, Parallel Computer Architecture, Operating Systems and Parallel Processing as a problem solving paradigm.

She completed her BE (Electronics) from NED UET and went on to acquire Postgraduate Diploma in Electronics Design Engineering from Philips International Institute of Technological Studies, Holland. She was awarded Quid-e-Azam Scholarship by virtue of her first position at NEDUET which she utilized to complete her MSEE from Stanford University, USA. She later completed her PhD from NEDUET in Computer Engineering with emphasis on High Performance Computing.

