A Knights Welcome To:
Dr. Deep Medhi

Date: Thursday, December 12, 2019

Time: 12:30 pm-1:30 pm

Location: HEC-450

(Harris Engineering Building)

Title: *An Overview of NSF CISE Research Programs*

Abstract: This talk will give a broad overview of the National Science Foundation's CISE directorate and some of its programs, with a particular focus on the current activities in the Division of Computer Networks and Systems (CNS). I will also cover CISE research infrastructures such as NSF Future Cloud, Cloud Access, and Next Gen Network Testbed.

Bio: Dr. Deep Medhi is a Program Director in the Computer & Network Systems (CNS) Division at the National Science Foundation. He manages wired networking research in the Networking Technologies and Systems (NeTS) program in CNS as well as several infrastructure programs such as NSF Future Cloud, Mid-Scale Research Infrastructure, Cloud Access, and AERPAW.

He is on leave as Curators' Distinguished Professor in the Department of Computer Science and Electrical Engineering at the University of Missouri-Kansas City (UMKC) under the IPA program. He received B.Sc. in Mathematics from Cotton College, Gauhati University, India, M.Sc. in Mathematics from St. Stephen's College, University of Delhi, India, and his M.S. and Ph.D. in Computer Sciences from the University of Wisconsin-Madison, USA. Prior to joining UMKC in 1989, he was a technical staff at AT &T Bell Laboratories where he worked on teletraffic network routing and design. White at AT&T Bell Labs, he co-developed Facility Diverse Routing – a feature deployed in AT&T's nationwide dynamic routing network.

His research interests are in network resilience, network routing and optimization, traffic engineering and design, network management, data center networking, and video quality-of-experience. He co-authored the books, *"Routing, Flow, and Capacity Design in Communication and Computer Networks" (2004) and "Network Routing: Algorithms, Protocols, and Architectures" (1st edition, 207: 2nd edition, 2017)* both published by Morgan Kauffman/Elsevier.

He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE).