CSDS 500 and ECSE 500
Fall 2021 Colloquium

11:30AM to 12:30PM
Thursday, September 16, 2021

Zoom Webinar ID: 940 7438 8634
Passcode: 357363

" Intelligent Cyberinfrastructure with Computational Learning in the Environment (ICICLE): A Brief Overview of NSF AI Institute"

Abstract: As a national infrastructure that enables artificial intelligence at the flick of a switch, ICICLE (Intelligent Cyberinfrastructure with Computational Learning in the Environment) will transform today's AI landscape from a narrow set of privileged disciplines to one where democratized AI empowers domains broadly through integrated plug-and-play AI. Converging under one virtual roof, ICICLE will foster interdisciplinary communities, advance foundational AI and CI, and transform application domains. Through its innovative approach to training and technology transfer, ICICLE will grow an AI-enabled workforce and incubate innovative companies with sustained diversity and inclusion at all levels. Ultimately, ICICLE will enable a transparent and trustworthy national infrastructure for an AI-enabled future to address pressing societal problems and enable decision-making for national priorities.

Vipin Chaudhary
Case Western Reserve University

Bio: Vipin Chaudhary is the Kevin J Kranzusch Professor and Chair of the Department of Computer and Data Sciences. Most recently, he was a Program Director at the National Science Foundation and the Empire Innovation Professor of Computer Science and Engineering at SUNY Buffalo. He founded multiple technology companies in the areas of high performance software-defined storage, many-core media processors, cloud computing, and medical diagnosis. From 2010 to 2013, Chaudhary was the Chief Executive Officer of Computational Research Laboratories (CRL), a wholly owned Tata Sons company, where he grew the company globally to be an HPC cloud and solutions leader before selling it to Tata Consulting Services. He served as the Chief Architect at Corio Inc., which had a successful IPO in July, 2000. Chaudhary was awarded the prestigious *President of India Gold Medal* in 1986 for securing the first rank amongst graduating students at the Indian Institute of Technology (IIT). His current research interests are in HPC, AI/ML, BigData, Computer Aided Diagnosis, and Quantum Computing.

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Certificates of attendance and other evidence of CPD activity should be retained by the attendee for auditing purposes.

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