Indian Institute of Technology Kanpur

INSTITUTE LECTURE SERIES

November 03, 2022 (Thursday) | 10 AM

Speaker: Dr. Ruchir Puri

Talk Title: Engineering the Future of Software with AI

About the Speaker

Dr. Ruchir Puri is the Chief Scientist of IBM Research, an IBM Fellow, and Vice-President of IBM Corporate Technology. He led IBM Watson as its CTO and Chief Architect from 2016-19 and has held various technical, research, and engineering leadership roles across IBM's AI and Research businesses. Dr. Puri is a Fellow of the IEEE, and has been an ACM Distinguished Speaker, an IEEE Distinguished Lecturer, and was awarded 2014 Asian American Engineer of the Year. Ruchir has been an adjunct professor at Columbia University, NY, and a visiting scientist at Stanford University, CA. He was honored with John Von-Neumann Chair at Institute of Discrete Mathematics at Bonn University, Germany.

Dr. Puri is an inventor of over 70 United States patents and has authored over 100 scientific publications on software-hardware automation methods, microprocessor design, and optimization and AI algorithms. He is the chair of AAAI-IAAI conference that focused on industrial applications of AI. He is the recipient of the prestigious Distinguished Alumnus Award from IIT Kanpur in 2022.

Abstract of the Talk

Software has become woven into every aspect of our society, and it will be fair to say that "Software has eaten the world". More recently, advances in AI are starting to transform every aspect of our society as well. These two tectonic forces of transformation – "Software" and "AI" are colliding together resulting in a seismic shift – a future where software itself will be built, maintained, and operated by AI – pushing us towards a future where "Computers can program themselves!". In this talk, Dr. Puri will discuss these forces of "AI for Code" and how the future of software engineering is being redefined by AI.

Venue RM-101 (Rajeev Motwani Building)

All are cordially invited to attend

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