

SEMINAR

Friday, 11.9.2026, 11:00 , Kolar's Lecture Hall

From Visualization to Intelligence

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This lecture explores the transformation of scientific research in the era of artificial intelligence, digital twins, and human-centered technologies. As research environments become increasingly data-rich and interconnected, new opportunities emerge to enhance discovery, experimentation, and decision-making through advanced computational methods. The lecture examines the role of scientific visualization and computer graphics in transforming complex data into actionable insights, as well as the growing impact of artificial intelligence and machine learning in prediction, optimization, and knowledge discovery. It further discusses the applications of serious games, virtual laboratories, and digital twins as tools for simulation, training, and experimentation across diverse scientific domains. The lecture highlights emerging directions in AI-driven research and identifies opportunities for interdisciplinary collaboration in shaping the next generation of scientific innovation.

Kindly invited.