**Lecture 1**

**Title:** K21 and Systems Education: New AI and New Societies

**Abstract:**

This lecture examines the intersection of K21 education and systems intelligence, focusing on the role of new AI technologies in shaping systems education for future societies. It explores how AI-driven educational paradigms can prepare students for the challenges of Industry 5.0, emphasizing the integration of human-centric values, sustainability, and resilience within advanced technological frameworks. The lecture discusses the potential of Artificial Intelligence, Agentic Intelligence, Autonomous Intelligence and various Intelligent Technologies in parallel to revolutionize educational practices, foster innovation, and address societal issues, while also considering the ethical and social implications of these technological advancements.