INFCON25

Learning Comes Alive: How Robots and AI Are Shaping the Future of Education

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Step into the future of education as we explore the thrilling shift from large language models to AI systems that interact physically in real classrooms. This talk spotlights the MetaRoboLearn project, featuring a cutting-edge educational robot seamlessly integrated with virtual avatars and intuitive programming tools to transform how students learn. Experience how the combination of robotics, sensors, and generative AI is creating highly interactive, personalized, and engaging learning environments. We will also examine the broader impact of this new wave of AI, including its potential to drive progress toward AGI and the ethical opportunities and challenges of bringing physically embodied AI into everyday education.

About the speaker

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Ivica Botički is a Computing Professor at the Faculty of Electrical Engineering and Computing, University of Zagreb. His expertise includes technology-enhanced learning, as well as the use of artificial intelligence and natural language processing in education and software engineering. His research focuses on the design, implementation, and evaluation of both hardware and software solutions for collaborative learning, educational robotics, game-based learning, engineering education, and related fields. He has worked at renowned institutions worldwide, including Nanyang Technological University (Singapore), Kyoto University (Japan), and Cornell University (USA), gaining valuable cross-cultural and international experience. In addition to academia, he works as a consultant and is actively involved in the development of deep-tech startups.