Power of AI in Biotech & Agriculture - Exploring Real-Life Applications

Date: 1 February 2024 (Thursday)

Time: 3:00pm - 4:00pm
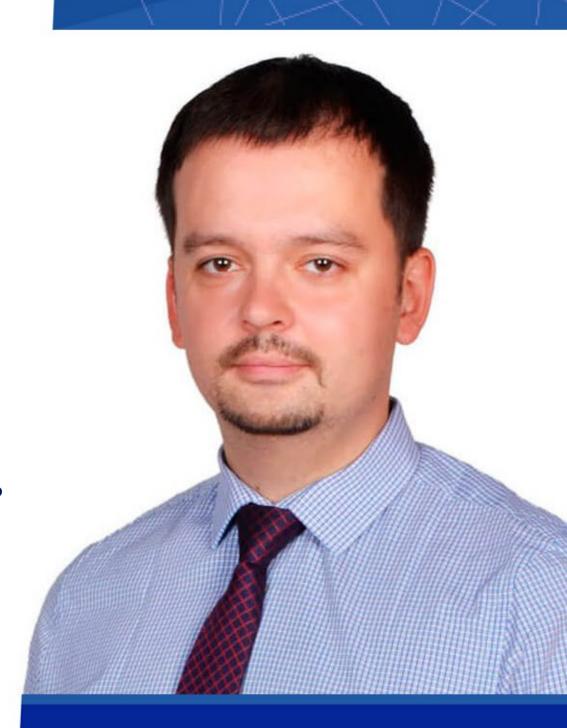
Venue: Room 5-206, Lau Ming Wai Academic Building, City University of Hong Kong

ABSTRACT

This seminar further elucidates how deep technology in AI significantly contributes to the development of superior models in biotech and agriculture. It begins by illuminating the foundational concepts of deep tech, emphasizing its pivotal role in advancing AI capabilities. The presentation then explores real-world instances where deep learning algorithms enhance precision in crop yield predictions, accelerate genetic research, and improve disease diagnosis. Additionally, the speaker delves into the nuanced aspects of deep tech, such as neural network architectures and model optimization techniques, providing insights into how these advancements contribute to the construction of more robust and accurate models in the realms of biotechnology and agriculture.

Prof. Dmitry Mikhaylov

GUEST SPEAKER'S PROFILE

Prof. Mikhaylov, a visitor of SDSC, specializing in Big Data, AI, and deeptech engineering. He holds a PhD in Artificial Intelligence from the University of Warwick. His academic journey includes contributions to esteemed institutions like the Russian Academy of Science, the National University of Singapore, the Abu Dhabi Academy, and Huazhong University of Science and Technology. Currently serving as an AI expert for the United Nations, Prof. Mikhaylov brings a practical dimension to his expertise by actively commercializing AI startups. With three successful exits in his career, he demonstrates a keen understanding of translating research into business innovation. Alongside 27 granted patents and authorship of 10 books in three languages, Prof. Mikhaylov's impactful career spans both academia and the dynamic landscape of AI entrepreneurship.

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All are welcome