

KIWI-biolab Symposium 2021

The role of Machine Intelligence in the future of Bioprocess Development

November 11 - 12, 2021 / Berlin / virtual format

Zoom link:

<https://tu-berlin.zoom.us/j/62875360671?pwd=NjB0K0ZxVHJKejdQWStrcU92MDk3QT09>

Thursday November 11, 2021

13:45	<i>Opening of the room</i>	
14:00	Welcome	Dr. Nico Cruz, Prof. Dr. Peter Neubauer
14:15	Talk 1 Chairs: Dr. Stefan Born, Dr. Nghia Duong-Trung	Prof. Dr. Andrey Ustyuzhanin <i>Head of the Laboratory of Methods for Big Data Analysis, Faculty of Computer Science, HSE University</i> <i>Towards physical AI: from symbolic regression to physics-enabled predictive models</i>
15:30	<i>Break</i>	
15:45	Talk 2 Chairs: Dr. Nico Cruz, Dr. Jong Woo Kim	Prof. Dr. Gonzalo Guillén Gosálbez <i>Head of the Sustainable Process Systems Engineering Lab, Department of Chemistry and Applied Biosciences, ETH Zürich</i> <i>On the use of mathematical programming to solve sustainability problems across scales</i>
17:00	<i>End of day 1</i>	

Friday November 12, 2021

14:00	Talk 3 Chairs: Dr. Nico Cruz, Dr. Jong Woo Kim	Prof. Dr. Victor Zavala <i>Head of the Scalable Systems Laboratory, Department of Chemical and Biological Engineering, University of Wisconsin-Madison</i> <i>Thinking About Data: Representations, Transformations, and Applications</i>
15:15	<i>Break</i>	
15:30	Talk 4 Chairs: Dr. Stefan Born, Dr. Nghia Duong-Trung	Prof. Dr. Lars Schmidt-Thieme <i>Head of the Information Systems and Machine Learning Lab, Institute of Computer Science, University of Hildesheim</i> <i>Deep Learning for Time Series Forecasting</i>
16:45	<i>Final remarks</i>	Dr. Nico Cruz, Prof. Dr. Peter Neubauer
17:00	<i>End of the Symposium</i>	