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 Opening of the room

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
Head of the Laboratory of Methods for Big Data Analysis, Faculty of Computer Science, HSE University
Towards physical AI: from symbolic regression to physics-enabled predictive models

15:30 Break

15:45 Talk 2
Chairs: Dr. Nico Cruz, Dr. Jong Woo Kim
Prof. Dr. Gonzalo Guillén Gosálbez
Head of the Sustainable Process Systems Engineering Lab, Department of Chemistry and Applied Biosciences, ETH Zürich
On the use of mathematical programming to solve sustainability problems across scales

17:00 End of day 1
**Friday November 12, 2021**

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