

Debye - ISCC Spring School 2024

Computational Materials & Machine Learning

Wednesday April 17, 2024

Introduction to Artificial Intelligence & Machine Learning

Start time	End time	Speaker	Topic
07:15	07:30	Gather at Princetonplein 1, Utrecht	Entrance Leonard Ornstein Building
07:30	10:00	Travel to Kasteel Berckt, Baarlo by bus	
10:25	10:30	KICK OFF Spring School 2024	Scientific Directors Debye and ISCC Institute
10:30	11:30	LECTURE Dr. Alberto Pérez de Alba Ortíz	Introduction to AI and ML, basics, real life and research examples
11:30	12:30	LECTURE Jana Marie Weber, TU Delft	Machine learning, catalysts, energy materials, methods, models
12:30	13:30	<i>Lunch break</i>	
13:30	14:30	LECTURE Nong Artrith	ML materials
14:30	17:30	DAC-tivity	Organized by DAC
17:30	19:00	PANEL DISCUSSION	Interactive Q&A: groups formulate question(s) for the speaker
19:00	21:00	<i>Dinner</i>	
21:00	22:30	<i>Drinks</i>	

Thursday April 18, 2024

Applications in AI & ML

Start time	End time	Speaker	Topic
07:30	08:30	<i>Breakfast</i>	
09:00	10:00	LECTURE Robert Pollice	Artificial Organic Chemistry
10:00	11:00	LECTURE Marc-Etienne Moret	Computational chemistry in homogenous catalysis
11:00	12:00	LECTURE Zeila Zanolli	Quantum Materials by Design
12:00	13:30	<i>Lunch break</i>	
13:30	17:00	<i>Free time</i>	
17:00	18:00	LECTURE Gerardo Campos Villa Lobos	to be determined
18:00	19:00	INTERACTIVE Q & A	Speakers prepare Q&A beforehand. Present in PubQuiz or Kahoot!
19:00	21:00	<i>Dinner</i>	

Friday April 19, 2024

Data for Now & The Future

Start time	End time	Speaker	Topic
07:30	08:30	<i>Breakfast</i>	
09:00	10:00	LECTURE Nina Jeliaskova	Data Management and eNanoMapper experience
10:00	11:00	LECTURE Alex Telea	Data Visualization: Seeing is learning in high dimensions
11:00	12:00	LECTURE Luca M. Ghiringhelli (NOMAD)	Data sharing, Open Access & EU policy
12:00	13:30	<i>Lunch break</i>	
13:30	16:00	Travel to USP by bus	