

# EXTREME

## Second school

### “Modelling, Simulation and Artificial Intelligence in Colloid and Interface Science”

/virtual event/

22 – 23 November, 2021

Monday, 22.11.2021		
BG time	CET time	
13:20	12:20	Opening
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13:30	12:30	
13:30	12:30	Petia Radeva
-	-	Department of Mathematics and Computer Science, University of Barcelona
14:30	13:30	<i>"Machine Learning - fundamentals and applications"</i>
14:30	13:30	Petko Petkov
-	-	Faculty of Chemistry and Pharmacy, University of Sofia
15:30	14:30	<i>"Basics of ab initio molecular dynamics and metadynamics"</i>
15:30	14:30	Hristiyan Aleksandrov
–	–	Faculty of Chemistry and Pharmacy, University of Sofia
16:30	15:30	<i>"Quantum chemical modeling of bulk, surface, and nanoparticle systems"</i>
Tuesday, 23.11.2021		
10:30	09:30	Martin Kröger
-	-	Swiss Federal Institute of Technology, ETH Zurich
11:30	10:30	<i>"Dynamics and structure of simple complex matter"</i>
11:30	10:30	Albert Bruix
–	–	Faculty of Chemistry, University of Barcelona
12:30	11:30	<i>"Introduction to machine learning for chemists"</i>
12:30	11:30	Kalinka Kaloyanova
-	-	Faculty of Mathematics and Informatics, University of Sofia
13:30	12:30	<i>"Data and Information Infrastructure"</i>
		Maria Nisheva
		Faculty of Mathematics and Informatics, University of Sofia
		<i>"Semantic technologies - basics and applicability to research data"</i>

\*Each lecture will be 40 min long + 10 min for questions and discussions, followed by 10 min break

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