

## SUMMER SCHOOL

# “INNOVATIONS AND APPLIED ASPECTS OF COLLOID AND INTERFACE SCIENCE”

14-16 JULY 2021



ASTOR GARDEN HOTEL

ST. ST. CONSTANTINE AND HELENA, BULGARIA

**Program**  
**Wednesday, 14<sup>th</sup> July**

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16:15	Opening and information about the project – Georgi Vayssilov
16:30	Lucio Isa “Using Atomic Force Microscopy to gain insides on contact forces between particles under shear”
17:30	Slavka Tcholakova “Methods for preparation of emulsions and nanoemulsions”

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**Thursday, 15<sup>th</sup> July**

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09:30	Albert Bruix “Modelling of solid catalysts based on first principles: from active site characterization to reaction simulations”
10:30	Josep Puigmarti Luis “Simulated microgravity conditions for materials synthesis”
11:30	<b><i>Lunch Break and discussions</i></b>
16:00	Robert Style “Elastocapillary effects in soft materials”
17:00	Jordi Cirera “Computational tools for surface modelling: From visualization to properties”
18:00	Irina Karadjova “Determination of toxic elements bioavailability in environmental samples and food”
19:00	<b><i>Dinner</i></b>

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**Friday, 16<sup>th</sup> July**

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09:30	Alexandra V. Bayles “Sculpting hydrogels using advective processing.”
10:30	Yuri Kalvachev “Synthesis, characterization and application of nanozeolites”
11:30	Closing of the summer school

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