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# On-line Workshop on Excited Charge Dynamics in Semiconductors | (smr 3516)

## Monday 28 September 2020

### Session 1 - Online (09:00-11:00)

time	title	presenter
09:00	Puzzle pieces towards a unified ab initio description of excitation dynamics	CLAUDIA DRAXL
10:00	Challenges and opportunities in the high-throughput computational search of new opto-electronic materials	GEOFFROY HAUTIER

### Session 2 - Online (17:00-19:00)

time	title	presenter
17:00	Ab Initio Quantum Dynamics in Nanoscale Materials	OLEG PREZHDO
18:00	Ultrafast dynamics of coupled electrons, phonons and excitons from first principles	MARCO BERNARDI

### Questions and Answers - Online (19:00-20:00)

time	title	presenter
19:00	Questions and Answers Session 1	CLAUDIA DRAXL (HUMBOLDT UNIVERSITY, GERMANY), GEOFFROY HAUTIER (CATHOLIC UNIVERSITY OF LEUVEN, GERMANY)

## Tuesday 29 September 2020

### **Session 3 - Online (09:00-11:00)**

time	title	presenter
09:00	Coherent ultrafast charge and energy transfer processes in nanostructures	CHRISTOPH LIENAU
10:00	Searching for the best molecular semiconductors	ALESSANDRO TROISI

### **Session 4 - Online (16:00-17:00)**

time	title	presenter
16:00	Electron Trapping and Solvation at aqueous metal oxide interfaces	ANNABELLA SELLONI

### **Questions and Answers - Online (17:00-19:00)**

time	title	presenter
17:00	Questions and Answers Session 2	OLEG PREZHDO (UNIVERSITY OF SOUTHERN CALIFORNIA, USA), MARCO BERNARDI (CALTECH, USA)
18:00	Questions and Answers Session 3	CHRISTOPH LIENAU (UNIVERSITY OF OLDENBURG, GERMANY), ALESSANDRO TROISI (UNIVERSITY OF LIVERPOOL, USA)

## Wednesday 30 September 2020

### **Session 5 - Online (09:00-10:00)**

time	title	presenter
09:00	Pump driven coherence: evidence of an excitonic insulator transition or normal charge migration effects?	ANDREA MARINI

### **Posters - Online (10:00-12:00)**

time	title	presenter
10:00	Poster session 1	

### **Questions and Answers - Online (14:00-15:00)**

time	title	presenter
14:00	Questions and Answers Session 4	ANNABELLA SELLONI

### **Questions and Answers - Online (17:00-18:00)**

time	title	presenter
17:00	Questions and Answers Session 5	ANDREA MARINI

### **Posters - Online (18:00-20:00)**

time	title	presenter
18:00	Poster session 2	