

21st IUVESTA Summer School on Physics at Nanoscale

Monday, 3 June 2024

Lectures: Mo Lectures 1 - Sál II. (13:30 - 19:00)

-Conveners: Antonín Fejfar

time	[id] title	presenter
13:40	[1] Photovoltaics: Its role in the future energy system and its main challenges	Prof. GORDON, Ivan
14:30	[6] Functional optoelectronic thin films	MORALES MASIS, Monica
15:25	coffee break	
15:55	[3] Photovoltaics: Its role in the future energy system and its main challenges 2	Prof. GORDON, Ivan
16:45	[22] Functional optoelectronic thin films 2	MORALES MASIS, Monica

Tuesday, 4 June 2024

Lectures: Tu Morning Lectures - Sál II. (08:50 - 12:50)

time	[id] title	presenter
08:50	[24] Magnonics and Spintronics 1	CHUMAK, Andrii
09:40	[13] Nanoscale physics of perovskite materials observed by optical micro-spectroscopy: from quantum dots to films	VACHA, Martin
10:30	coffee break	
11:00	[2] Advanced Solar Cells: Entering the bifacial n-type era: technology and production landscape	KOPECEK, Radovan
11:50	[17] Photovoltaic production in Europe	NOGAY, Gizem

Lectures: Tu Afternoon Lectures - Sál II. (16:00 - 19:00)

time	[id] title	presenter
16:00	coffee break	
16:30	[14] Nanophotonics 1	MARTIN, Olivier
17:20	[16] Magnonics and Spintronics 2	CHUMAK, Andrii

Wednesday, 5 June 2024

Lectures: We morning lectures - Sál II. (08:30 - 12:20)

time	[id] title	presenter
08:30	[15] Advanced Solar Cells 2: Hitting the efficiency roof top of single junction c-Si tech: Cu contacted bifacial XBC technology	KOPECEK, Radovan
09:20	[18] An introduction to bionanosciences via biomedical nanoparticles	REIMHULT, Erik
10:10	coffee break	
10:40	[19] Semiconductors for modern electronic devices 1	KOSTELNÍK, Petr
11:30	[11] Nanophotonics 2	MARTIN, Olivier

Thursday, 6 June 2024

Lectures: Th morning lectures - Sál II. (08:15 - 12:50)

time	[id] title	presenter
08:30	[79] Short history and applications of LEIS and the Tempus project.	BRONGERSMA, Hidde
08:50	[23] Semiconductors for modern electronic devices 2	KOSTELNÍK, Petr
09:40	[8] Exploring non-standard analytical techniques for power semiconductors 2	NELHIEBEL, Michael
10:30	coffee break	
11:00	[4] Ion beams in materials science 1: fundamentals	PRIMETZHOFER, Daniel
11:50	[10] Research examples for bionanoparticles	REIMHULT, Erik

Lectures: Th afternoon lectures - Sál II. (16:00 - 18:10)

time	[id] title	presenter
16:00	coffee break	
16:30	[27] Ion beams in materials science 2: recent research examples	PRIMETZHOFER, Daniel
17:20	[21] Exploring non-standard analytical techniques for power semiconductors 2	NELHIEBEL, Michael

Friday, 7 June 2024

Lectures: Friday block - Sál II. (08:30 - 12:10)

time	[id] title	presenter
08:30	[42] Metal oxide surfaces 1	PARKINSON, Gareth
09:20	[40] Information and Imaging, Electrons and Light 1	JUFFMANN, Thomas
10:10	Coffee break	
10:40	[43] Metal oxide surfaces 2	PARKINSON, Gareth
11:25	[78] Information and Imaging, Electrons and Light 2	JUFFMANN, Thomas

Lectures: School closing and Lunch - Sál II. (12:10 - 13:10)