

Novel Accelerators for Electron Diffraction

Monday, 17 June 2019

Novel Accelerators for Electron Diffraction: Applications of Electron Diffraction - delivery LAB (09:00 - 10:00)

time	[id] title	presenter
09:00	[1] Application of electron diffraction in biology	Prof. ABRAHAMMS, Jan Pieter
09:15	[2] Electron diffraction: insulin, thermolysin and peptide	HOUSSET, Dominique
09:30	[3] Applications in chemical research	Dr HINRICHSSEN, Bernd
09:45	[8] Discussion: What are the key parameters / figures of merit for the electron source?	ISCHEBECK, Rasmus

Novel Accelerators for Electron Diffraction: Electron Acceleration and Optics - delivery LAB (10:30 - 11:30)

time	[id] title	presenter
10:30	[5] Electron diffraction experiments with a radio-frequency source	Prof. LI, Renkai
10:45	[6] Simulation of THz acceleration	Prof. TIBAI, Zoltan
11:00	[4] THz acceleration	Dr MATLIS, Nicholas
11:15	[7] Discussion: How could these methods advance the field of electron diffraction?	Dr LATYCHEVSKAIA, Tatiana

Novel Accelerators for Electron Diffraction: Enabling Technologies - delivery LAB (14:00 - 15:15)

time	[id] title	presenter
14:00	[9] Hybrid Pixel Detectors	FRÖJDH, Erik
14:15	[10] Terahertz Sources	Dr FULOP, Jozsef
14:30	[11] Electron Diffraction: Crystallographic approach and its applications to organic molecules	STEINFELD, Gunther Dr SANTISO-QUINONES, Gustavo
14:45	[15] The effect of manufacturing tolerances onto the functional specifications of charged particle equipment	Mr BLOM, Paul
15:00	[12] Discussion: Key enabling technologies	Dr REHANEK, Jens

Novel Accelerators for Electron Diffraction: Possible Applications of Next-Generation Instruments - delivery LAB (15:45 - 16:30)

time	[id] title	presenter
15:45	[13] Future applications in pharmaceutical research	Dr STOWASSER, Frank
16:00	[16] Discussion:	SOKOLOWSKI-TINTEN, Klaus ISCHEBECK, Rasmus