

404. Wilhelm and Else Heraeus-Seminar: "Matter in Coherent Light"

Monday, 17 March 2008

07:30	- BREAKFAST-
08:15 – 08:30	<i>G. Grübel / I. Vartanians</i> : Opening and Welcome
08:30 – 09:15	<i>B. Lengeler</i> : Basics about coherence
09:15 – 10:00	<i>K. Nugent</i> : Theory of coherence: coherence properties of light, phase retrieval from intensities
10:00 – 10:30	- COFFEE BREAK -
10:30 – 11:15	<i>T. Shintake</i> : Coherence properties of FEL light available at SCSS
11:15 – 12:00	<i>M. Yurkov</i> : Coherence properties of the radiation from x-ray free electron lasers
12:15	- LUNCH -
14:00 – 14:45	<i>K. Sokolowski-Tinten</i> : Time-resolved diffraction using femtosecond laser-plasma-based X-ray sources
14:45 – 15:30	<i>J. Tisch</i> : Alternative Coherent Sources
15:30 – 16:00	- COFFEE BREAK –
16:00 – 16:45	<i>J. Feldhaus</i> : Recent developments at the FLASH facility
16:45 – 17:30	<i>D. Attwood</i> : Generation and application of coherent EUV and soft x-ray radiation
17:30 – 17:45	<i>E. Dreisigacker</i> : About the Wilhelm and Else Heraeus Foundation
18:00	- DINNER - followed by a social evening at the invitation of the Wilhelm and Else Heraeus Foundation in the "Bürgerstube" at the Physikzentrum

Tuesday, 18 March 2008

07:30	- BREAKFAST-
08:30 – 09:00	<i>C. David</i> : Diffractive x-ray optics for microscopy and radiography applications
09:00 – 09:30	<i>C. Schroer</i> : Wave-optical properties of refractive x-ray lenses
09:30 – 10:00	<i>A. Erko</i> : Coherent diffraction optics for VUV and x-rays
10:00 – 10:30	- COFFEE BREAK -
10:30 – 11:15	<i>J. Kirz</i> : Imaging basics
11:15 – 12:00	<i>M. Tolan</i> : XPCS from surfaces and interfaces
12:15	- LUNCH -
14:00 – 14:45	<i>P. Pusey</i> : Photon correlation spectroscopy with visible light
14:45 – 15:30	<i>M. Sutton</i> : Non-equilibrium dynamics of Cu ₃ Au
15:30 – 16:00	- COFFEE BREAK –
16:00 – 18:00	Talks of PhD students and PostDocs (titles to be announced)
18:15 – 20:00	- DINNER –
20:00	Poster Session

Wednesday, 19 March 2008

07:30	- BREAKFAST-
08:30 – 09:15	<i>J. Miao</i> : Coherent x-ray diffraction microscopy applied to nanoscience and biology
09:15 – 10:00	<i>I. Robinson</i> : Coherent x-ray diffraction images of nanowires
10:00 – 10:30	- COFFEE BREAK -
10:30 – 11:15	<i>S. Sinha</i> : Recent studies of fluctuations in polymer films using XPCS
11:15 – 12:00	<i>A. Madsen</i> : Viscoelastic properties of gels and glassy matter studied by XPCS
12:15	- LUNCH -
14:00 – 14:45	<i>J. Rodenburg</i> : Partial coherence in ptychographical lensless image reconstruction
14:45 – 15:30	<i>H. Graafsma</i> : The FEL detector challenge and one possible solution to it
15:30 – 16:00	- COFFEE BREAK –
16:00 – 16:45	<i>L. Strüder</i> : High speed spectroscopic imaging of x-rays from 100 eV to 25 keV
16:45 – 17:30	<i>R. Horisberger</i> : Future detector technologies for FEL radiation
17:30 – 18:30	Poster Session
18:30	- DINNER –

Thursday, 20 March 2008

07:30	- BREAKFAST-
08:30 – 09:15	<i>F. Pfeiffer</i> : Coherent x-ray microscopy & lensless imaging
09:15 – 10:00	<i>S. Eisebitt</i> : X-ray holography
10:00 – 10:30	- COFFEE BREAK -
10:30 – 11:15	<i>P. Cloetens</i> : X-ray imaging techniques exploiting the coherence properties of light
11:15 – 12:00	<i>H. Chapman</i> : Diffractive imaging using coherent photon pulses from FELs
12:15	- LUNCH -
14:00 – 14:45	<i>A. Hemmerich</i> : Coherent ultracold matter
14:45 – 15:30	<i>M. Altarelli</i> : The European x-ray free-electron laser project in Hamburg
15:30 – 15:45	<i>E. Weckert</i> : Poster Awarding Ceremony and Closing

End of the seminar and departure