NGLDM - The next generation for Low Density Matter

Wednesday 15 March 2017 - Thursday 16 March 2017

MAX IV

Scientific Programme

Wednesday 15th March LOCATION: MAX III room MAX IV, Fotongatan 2, 22592 Lund

13:00 – 13:45

Participant Registration

13:45 – 13:50

Safety Information

13:50 – 14:10

Welcome *Jesper Andersen MAX IV Science Director*

14:10 – 15:00

Plenary Speaker: *Maria Novella Piancastelli*
Recent advances in electronic and nuclear dynamics of photoexcited and photoionized atoms and molecules

15:00 – 15:35

Victor Kimberg
Theory of resonant x-ray scattering for advanced applications

15:35 – 16:05

Coffee Break

16:05 – 16:40

Annette Pietzsch
Local maps of potential energy surfaces and chemical pathways

16:40 – 17:15

Lorenzo Avaldi
Coincidence experiments in molecular systems

17:15 – 17:35

Contributed talk: Teresia Olsson
Pseudo-Single-Bunch mode for the MAX IV 1.5 GeV storage ring

17:35 – 18:00

Beamline Blitz
Short overview of the LDM relevant beamlines at MAX IV.
Come & talk to us at the poster session!

18:00-20:00

Poster session (Refreshments/Buffet)

20:00

Bus from MAX IV to Lund C

Thursday 16th March LOCATION: MAX III room MAX IV, Fotongatan 2, 22592 Lund

9:00 – 9:50

Plenary Speaker:: *Reinhard Dörner*
The power of coincidence imaging

9:50 – 10:25

Jérôme Palaudoux
Single photon multiple ionization of atoms and molecules studied by multielectron coincidence spectroscopy

10:25 – 10:45

Contributed Talk: Jan-Erik Rubensson
LDM RIXS @ MAX IV

10:45 – 11:15

Coffee Break

11:15 – 11:50

Oriol Vendrell
Core-level spectroscopies as a sensitive tool to trace valence electronic structure and ultrafast electronic dynamics in molecules.

11:50 – 13:00

Round Table Discussion *Chair: Prof. Stacey Sörensen*

13:00 – 14:00

Lunch

14:00 – 14:35

Bernd Winter
Photoemission Spectroscopy from Aqueous Solutions: Ultrafast Proton and Electron Dynamics

14:35 – 15:10

Kuno Kooser
Chemistry of acetamide in microclusters and solutions studied by VUV/X-ray spectroscopic techniques

15:10 – 15:30

Contributed Talk: Nonne Prisle
From molecules to rain: atmospheric studies on liquid jet, droplets and clusters

15:30 – 16:00

Coffee Break

16:00 – 16:35

Minna Patanen
Next generation studies of gas-phase clusters – more than compensating the low density with higher flux

16:35 – 16:55

Contributed Talk: Cesare Grazioli
Electronic structure of biphenylene films: from gas phase to films

16:55 – 17:15

Contributed Talk: Sylvain Maclot
High-intensity XUV attosecond pulses for studies of molecular dynamics

17:15 – 17:30

Closing comments *Prof. Stacey Sörensen*