

13th PSI Summer School on Condensed Matter Research

Report of Contributions

Contribution ID : 2

Type : **Oral**

Time and Length Scales in X - Ray Science

Sunday, 10 August 2014 11:00 (75)

Summary

Presenter(s) : STÖHR, Joachim

Session Classification : Time and Length Scales in X-Ray Science

Contribution ID : 3

Type : **Oral**

Using synchrotron radiation in condensed matter research

Sunday, 10 August 2014 16:30 (50)

Summary

Presenter(s) : Dr SCHMITT, Thorsten (Paul Scherrer Institut)

Session Classification : Using synchrotron radiation in condensed matter research

Contribution ID : 4

Type : **Oral**

Time and Length Scales in Condensed Matter

Sunday, 10 August 2014 09:00 (90)

Summary

Presenter(s) : PATTERSON, Bruce (Paul Scherrer Institut)

Session Classification : Time and Length Scales in Condensed Matter

Contribution ID : 5

Type : **Oral**

Structure and dynamics probed by neutrons

Sunday, 10 August 2014 17:20 (50)

Summary

Presenter(s) : RUEGG, Christian (Paul Scherrer Institut)

Session Classification : Structure and dynamics probed by neutrons

Contribution ID : 6

Type : **Oral**

The Muon Spin Spectroscopy Technique

Sunday, 10 August 2014 18:10 (50)

Summary

Presenter(s) : SUTER, Andreas (Paul Scherrer Institut)

Session Classification : The muon spin spectroscopy technique

Contribution ID : 7

Type : **Oral**

Atomic clocks: basic principles, applications and current trends

Sunday, 10 August 2014 20:45 (60)

Summary

Presenter(s) : MILETI, Gaetano

Session Classification : Atomic clocks: basic principles, applications and current trends

Contribution ID : 8

Type : **Oral**

Understanding static magnetic order and disorder

Monday, 11 August 2014 09:00 (75)

Summary

Presenter(s) : Dr LANCASTER, Tom (Durham University)

Session Classification : Understanding static magnetic order and disorder

Contribution ID : 9

Type : **Oral**

Magnetism and interfaces

Monday, 11 August 2014 10:45 (75)

Summary

Presenter(s) : PIAMONTEZE, Cinthia (Paul Scherrer Institut)

Session Classification : Magnetism at interfaces

Contribution ID : **10**

Type : **Oral**

Two dimensional artificial spin ice: experiment and simulation

Monday, 11 August 2014 16:30 (75)

Summary

Presenter(s) : Dr DERLET, Peter (Paul Scherrer Institut)

Session Classification : Two dimensional artificial spin ice: experiment and simulation

Contribution ID : 11

Type : **Oral**

Magnetization dynamics studied by X-ray microscopy

Monday, 11 August 2014 17:45 (75)

Summary

Presenter(s) : KRONAST, Florian

Session Classification : Magnetisation dynamics studied with X-ray microscopy

Contribution ID : 12

Type : **Oral**

Where are the electrons? Charge transfer and dissociation from a femtosecond electronic - structure perspective

Tuesday, 12 August 2014 09:00 (75)

Summary

Presenter(s) : WERNET, Philippe

Session Classification : Where are the Electrons? Charge Transfer and Dissociation from a Femtosecond Electronic-structure Perspective

Contribution ID : 13

Type : **Oral**

Time - resolved photoelectron spectroscopy

Tuesday, 12 August 2014 10:45 (75)

Summary

Presenter(s) : WEINELT, Martin

Session Classification : Time-resolved photoelectron spectroscopy

Contribution ID : 14

Type : **Oral**

Coherent spin and lattice dynamics studied with femtosecond X-ray diffraction

Tuesday, 12 August 2014 16:30 (75)

Summary

Presenter(s) : Dr JOHNSON, Steven (ETH Zurich)

Session Classification : Coherent spin and lattice dynamics studied with femtosecond x-ray diffraction

Contribution ID : 15

Type : **Oral**

Ultrafast processes in the solid state

Tuesday, 12 August 2014 17:45 (75)

Summary

Presenter(s) : REIS, David A.

Session Classification : Ultrafast processes in the solid state

Contribution ID : 16

Type : **Oral**

The application of Free Electron Lasers to Biology: Playing with retinal proteins and GPCRs

Tuesday, 12 August 2014 20:45 (60)

Summary

Presenter(s) : SCHERTLER, Gebhard (Paul Scherrer Institut)

Session Classification : The application of Free Electron Lasers to Biology: Playing with retinal proteins and GPCRs

Contribution ID : 17

Type : **Oral**

Dynamics as probed by muons

Wednesday, 13 August 2014 16:30 (75)

Summary

Presenter(s) : Dr DALMAS DE REOTIER, Pierre (Institut Nanosciences et Cryogénie, CEA and Université Joseph Fourier)

Session Classification : Dynamics as probed by muons

Contribution ID : 18

Type : **Oral**

How NEUTRON IMAGING explores time, energy and length scales in condensed matter

Wednesday, 13 August 2014 17:45 (75)

Summary

Presenter(s) : Dr GRUENZWEIG, Christian (Paul Scherrer Institut)

Session Classification : How NEUTRON IMAGING explores time, energy and length scales in condensed matter

Contribution ID : 19

Type : **Oral**

Magnetism at the Edge; New Phenomena at Oxide Interfaces

Wednesday, 13 August 2014 20:45 (60)

Summary

Presenter(s) : COEY, Michael

Session Classification : Magnetism at the Edge; New Phenomena at Oxide Interfaces

Contribution ID : 20

Type : **Oral**

Probing the micro - structural origin of complex flow behaviour with in situ Small Angle Neutron and X-ray Scattering

Thursday, 14 August 2014 09:00 (75)

Summary

Presenter(s) : LETTINGA, Pavlik

Session Classification : Probing the microstructural origin of complex flow behaviour with in situ Small Angle Neutron and X-ray Scattering

Contribution ID : 21

Type : **Oral**

4D tomography of complex dynamic processes

Thursday, 14 August 2014 10:45 (75)

Summary

Presenter(s) : MOKSO, Rajmund (Paul Scherrer Institut)

Session Classification : 4D tomography of complex dynamic processes

Contribution ID : 22

Type : **Oral**

Low Energy Electrodynamics of Quantum Matter

Thursday, 14 August 2014 16:30 (75)

Summary

Presenter(s) : ARMITAGE, Peter

Session Classification : Low Energy Electrodynamics of Quantum Matter

Contribution ID : 23

Type : **Oral**

Low energy excitations in magnetic systems probed by neutron scattering: making maps of magnetism

Thursday, 14 August 2014 17:45 (75)

Summary

Presenter(s) : PERRING, Toby

Session Classification : Low energy excitations in magnetic systems probed by neutron scattering: making maps of magnetism

Contribution ID : 24

Type : **Oral**

Energy versus time in X-ray scattering experiments

Friday, 15 August 2014 09:00 (75)

Summary

Presenter(s) : ABBAMONTE, Peter

Session Classification : Energy versus time in x-ray scattering experiments

Contribution ID : 25

Type : **Oral**

Resonant Inelastic X-ray Scattering on Elementary Excitations

Friday, 15 August 2014 10:45 (75)

Summary

Presenter(s) : VAN DEN BRINK, Jeroen

Session Classification : Resonant Inelastic X-ray Scattering on Elementary Excitations

Contribution ID : 26

Type : **Oral**

Closing Remarks: Dr. Kurt Clausen

Friday, 15 August 2014 11:45 (15)

Summary

Presenter(s) : CLAUSEN, Kurt Norgaard (Paul Scherrer Institut)

Session Classification : Closing Remarks: Dr Kurt Clausen