Report of Contributions

/ Report of Contributions

X-ray emission spectroscopic studi ...

Contribution ID: 1

Type: not specified

X-ray emission spectroscopic studies of biological catalysis

Monday, August 24, 2015 9:30 AM (30 minutes)

Presenter: Mrs DE BEER, Serena

Session Classification: III: Advanced Methods

/ Report of Contributions

Dynamic structural disorder and r ...

Contribution ID: 5

Type: not specified

Dynamic structural disorder and reactivity in supported metal nanocatalysts

Monday, August 24, 2015 11:00 AM (20 minutes)

Presenter: VILA, F.D.

/ Report of Contributions

Advances in the theory and calcul...

Contribution ID: 6

Type: not specified

Advances in the theory and calculation of many-body effects in x-ray spectra

Monday, August 24, 2015 10:30 AM (30 minutes)

Presenter: KAS, J.J.

/ Report of Contributions

Efficient Bethe-Salpeter equation c ...

Contribution ID: 8

Type: not specified

Efficient Bethe-Salpeter equation calculations of x-ray spectra of large systems

Monday, August 24, 2015 11:20 AM (20 minutes)

Presenter: GILMORE, K.

/ Report of Contributions

Coordination environment of Hg(I...

Contribution ID: 9

Type: not specified

Coordination environment of Hg(II) bound to E. coli in the presence and absence of organic ligands: influence of metabolic activity

Monday, August 24, 2015 10:40 AM (20 minutes)

Presenter: Mrs THOMAS, Sara (Department of Civil and Environmental Engineering, Northwestern University, Evanston, IL US)

/ Report of Contributions

An X-ray absorption spectroscopy ...

Contribution ID: 10

Type: not specified

An X-ray absorption spectroscopy study of Cd binding onto a halophilic archaeon

Monday, August 24, 2015 11:00 AM (20 minutes)

Author: Mr SHOWALTER, A.R.

Presenter: Mr SHOWALTER, A.R.

/ Report of Contributions

Absorption and Mobility of Cr and ...

Contribution ID: 11

Type: not specified

Absorption and Mobility of Cr and Zn in Soil in the Vicinity of Jordan River

Monday, August 24, 2015 11:20 AM (20 minutes)

Author: Mr HARFOUCHE, Messaoud (Synchrotron-light for Experimental Science and Applications in the Middle East, Jordan)

Presenter: Mr HARFOUCHE, Messaoud (Synchrotron-light for Experimental Science and Applications in the Middle East, Jordan)

/ Report of Contributions

Zn K-edge XAFS for the study of r ...

Contribution ID: 12

Type: not specified

Zn K-edge XAFS for the study of river material reactivity towards metals

Monday, August 24, 2015 11:40 AM (20 minutes)

Author: Mr LE MEUR, Mathieu (Laboratoire Interdisciplinaire des Environnements Continentaux, CNRS Université de Lorraine, 15 avenue du Charmois, Vandœuvre lès Nancy, France)

Presenter: Mr LE MEUR, Mathieu (Laboratoire Interdisciplinaire des Environnements Continentaux, CNRS Université de Lorraine, 15 avenue du Charmois, Vandœuvre lès Nancy, France)

/ Report of Contributions

Origin of giant electrostriction in ...

Contribution ID: 13

Type: not specified

Origin of giant electrostriction in Gd doped ceria revealed by differential QEXAFS

Monday, August 24, 2015 10:40 AM (20 minutes)

Author: Mr LI, Yuanyuan (Department of Physics, Yeshiva University, New York, New York, United States)

Presenter: Mr LI, Yuanyuan (Department of Physics, Yeshiva University, New York, New York, United States)

Quick XAFS system with milliseco ...

Contribution ID: 14

Type: not specified

Quick XAFS system with millisecond time resolution

Monday, August 24, 2015 11:00 AM (20 minutes)

Author: Mr URUGA, Tomoya (Japan Synchrotron Radiation Research Institute, SPring-8, Japan; The University of Electro-Communications, Innovation Research Center for Fuel Cells, Japan)

Presenter: Mr URUGA, Tomoya (Japan Synchrotron Radiation Research Institute, SPring-8, Japan; The University of Electro-Communications, Innovation Research Center for Fuel Cells, Japan)

/ Report of Contributions

ROCK: the Quick-EXAFS beamline ...

Contribution ID: 15

Type: not specified

ROCK: the Quick-EXAFS beamline at SOLEIL

Monday, August 24, 2015 11:20 AM (20 minutes)

Presenter:Mrs BARTHE, Laurent (ynchrotron SOLEIL, Gif-sur-Yvette, France)**Session Classification:**IV: Chemistry, catalysis, operando and time-resolved studies

Nucleation and Growth Kinetics of ...

Contribution ID: 16

Type: not specified

Nucleation and Growth Kinetics of Multinary Nanocrystals by Quick Extended X-ray Absorption Fine Structure

Monday, August 24, 2015 11:40 AM (20 minutes)

Presenter: Mr JUST, Justus (Bergische Universität Wuppertal, Wuppertal, Germany; Helmholtz-Zentrum Berlin für Materialien und Energie, Berlin, Germany)

/ Report of Contributions

State-dependent fluorescence thro ...

Contribution ID: 17

Type: not specified

State-dependent fluorescence through the Coulomb exchange

Monday, August 24, 2015 10:40 AM (20 minutes)

Presenter:MIEDEMA, Piter S. (FG-ISRR, Helmholtz-Zentrum Berlin, Germany)**Session Classification:**III: Advanced Methods

/ Report of Contributions

Orbital mixing and multiplet effec ...

Contribution ID: 19

Type: not specified

Orbital mixing and multiplet effects in the K absorption pre-edges of TiO2 and Mn2O3

Monday, August 24, 2015 11:20 AM (20 minutes)

Presenter: Mr GLATZEL, Pieter (European Synchrotron Radiation Facility, Grenoble, France) **Session Classification:** III: Advanced Methods

/ Report of Contributions

Non-resonant X-ray Raman scatte ...

Contribution ID: 20

Type: not specified

Non-resonant X-ray Raman scattering spectroscopy

Monday, August 24, 2015 11:40 AM (30 minutes)

Author: Mr HUOTARI, Simo (Department of Physics, University of Helsinki, Finland)Presenter: Mr HUOTARI, Simo (Department of Physics, University of Helsinki, Finland)Session Classification: III: Advanced Methods

/ Report of Contributions

Extracting Electronic Structure Inf...

Contribution ID: 23

Type: not specified

Extracting Electronic Structure Information from 1s2p RIXS and L-edge XAS of Transition Metal Complexes

Monday, August 24, 2015 11:00 AM (20 minutes)

Presenter: KROLL, T.

Session Classification: III: Advanced Methods

FEFF85EXAFS: open source theore ...

Contribution ID: 24

Type: not specified

FEFF85EXAFS: open source theoretical standards for EXAFS analysis

Monday, August 24, 2015 11:40 AM (20 minutes)

Presenter: RAVEL, B.

/ Report of Contributions

A toolbox for the strong-field repr...

Contribution ID: 25

Type: not specified

A toolbox for the strong-field representation of charge transfer multiplets of transition metal compounds

Monday, August 24, 2015 1:30 PM (20 minutes)

Author: DELGADO-JAIME, M.U.Presenter: DELGADO-JAIME, M.U.Session Classification: I: Theory and Modelling, Data analysis

/ Report of Contributions

EXAFS analysis using the new Gra ...

Contribution ID: 26

Type: not specified

EXAFS analysis using the new Graphical User Interface of the GNXAS suite of programs

Monday, August 24, 2015 1:50 PM (20 minutes)

Presenter: HATADA, K.

/ Report of Contributions

Disappearance of correlations in t ...

Contribution ID: 27

Type: not specified

Disappearance of correlations in the atom motion upon hydrogen intercalation into ReO3 lattice: in-situ EXAFS study, deciphered by a novel reverse Monte Carlo/evolutionary algorithm approach

Monday, August 24, 2015 2:10 PM (20 minutes)

Presenter: TIMOSHENKO, J.

High-Flux EXAFS Beamline P64 at ...

Contribution ID: 28

Type: not specified

High-Flux EXAFS Beamline P64 at PETRAIII

Monday, August 24, 2015 5:00 PM (20 minutes)

Presenter: CALIEBE, W.

Session Classification: II. New sources and new instrumentation

/ Report of Contributions

The new QEXAFS monochromator, \ldots

Contribution ID: 29

Type: not specified

The new QEXAFS monochromator, detection and data acquisition system at the SuperXAS beamline (SLS) for EXAFS spectroscopy with 15 ms time resolution

Monday, August 24, 2015 5:20 PM (20 minutes)

Presenter: MÜLLER, O.

Session Classification: II. New sources and new instrumentation

/ Report of Contributions

Progress in XANES ab initio calcul...

Contribution ID: 30

Type: not specified

Progress in XANES ab initio calculations of complex metalloenzymes with two metal centers

Monday, August 24, 2015 2:20 PM (20 minutes)

Presenter: CHU, W.S.

/ Report of Contributions

Metal-hydride intermediates in Fe ...

Contribution ID: 31

Type: not specified

Metal-hydride intermediates in FeFe and NiFe hydrogenase enzymes detected and characterized by XAS/XES and DFT

Monday, August 24, 2015 2:00 PM (20 minutes)

Presenter: KOSITZKI, R.

/ Report of Contributions

Insights into the electronic structu...

Contribution ID: 32

Type: not specified

Insights into the electronic structure of iron atoms in FeMo cofactor of nitrogenase and related models

Monday, August 24, 2015 1:40 PM (20 minutes)

Presenter: KOWALSKA, J.

/ Report of Contributions

Zn(II)/Cu(II) cross-coordination to ...

Contribution ID: 33

Type: not specified

Zn(II)/Cu(II) cross-coordination to Ab peptides can modulate the peptide aggregation propensity. A XAS structural study

Monday, August 24, 2015 1:20 PM (20 minutes)

Presenter: DE SANTIS, E.

/ Report of Contributions

Characterization of surface conta ...

Contribution ID: 34

Type: not specified

Characterization of surface contaminants of medical devices

Monday, August 24, 2015 2:40 PM (20 minutes)

Presenter: POLLAKOWSKI, B.

Local environment and electronic ...

Contribution ID: 35

Type: not specified

Local environment and electronic structure of active sites in Cu-SSZ-13 deNOx catalyst under reaction conditions

Monday, August 24, 2015 2:00 PM (20 minutes)

Presenter: LAMBERTI, C.

/ Report of Contributions

Confinement effects of carbon nan...

Contribution ID: 36

Type: not specified

Confinement effects of carbon nanotubes on catalysis

Monday, August 24, 2015 2:20 PM (20 minutes)

Presenter: ZHANG, F.

/ Report of Contributions

Mechanochemical preparation and ...

Contribution ID: 37

Type: not specified

Mechanochemical preparation and local structural analysis of Pd-LaFeO3 solid solutions by Pd K- and L3-edge X-ray absorption spectroscopy

Monday, August 24, 2015 1:40 PM (20 minutes)

Presenter: UCHIYAMA, T.

/ Report of Contributions

Geometric and electronic structure ...

Contribution ID: 39

Type: not specified

Geometric and electronic structure of Au on Au/CeO2 catalysts during the CO oxidation: Deactivation by reaction induced particle growth

Monday, August 24, 2015 1:20 PM (20 minutes)

Presenter: ABDEL-MAGEED, A.M.

/ Report of Contributions

Operando structure-activity correl...

Contribution ID: 40

Type: not specified

Operando structure-activity correlations in applied catalytic systems: Oscillatory CO oxidation in exhaust gas catalysts

Monday, August 24, 2015 2:40 PM (20 minutes)

Presenter: GÄNZLER, A.

/ Report of Contributions

Efficient multicore parallelization...

Contribution ID: 41

Type: not specified

Efficient multicore parallelization of the finite difference method for x-ray absorption spectroscopy in the FDMNES code

Monday, August 24, 2015 2:30 PM (20 minutes)

Presenter: GUDA, A.A.

/ Report of Contributions

X-ray absorption spectra of graphe ...

Contribution ID: 42

Type: not specified

X-ray absorption spectra of graphene and graphene oxide by Full Potential Multiple Scattering calculations with self-consistent potential

Monday, August 24, 2015 2:50 PM (20 minutes)

Presenter: JUNQUIG, X.

Contribution ID: 43

Type: not specified

Novel Structural Chemistry –and More –from Actinide XAFS

Presenter: CONRADSON, S.

High energy resolution XANES as ...

Contribution ID: 44

Type: not specified

High energy resolution XANES as a tool for electronic and geometric structural investigations of actinide materials

Presenter: VITOVA, T.

Biological and abiotic factors affec ...

Contribution ID: 45

Type: not specified

Biological and abiotic factors affecting the solid-phase speciation of U(IV) following reduction of aqueous U(VI)

Presenter: BOYANOV, M.I.

Contribution ID: 46

Type: not specified

Identifying the "Unidentified": Crud Deposits from Swiss Pressurized Water Reactor Analyzed by Multi-Edge micro-X-ray Absorption Spectroscopy, micro-XRD and Complementary Chemical Imaging

Presenter: SAMSON, V.A.

Speciation of neptunium during so ...

Contribution ID: 47

Type: not specified

Speciation of neptunium during sorption and diffusion in natural clay

Presenter: REICH, T.

Contribution ID: 48

Type: not specified

Local environment and electronic structure of active sites in Cu-SSZ-13 deNOx catalyst under reaction conditions

Presenter: LAMBERTI, C.

In-situ 2p3d resonant x-ray emissi...

Contribution ID: 49

Type: not specified

In-situ 2p3d resonant x-ray emission spectroscopy of Co/CNT Fischer-Tropsch catalysts

Presenter: LIU, B.

Identification of active and spectat ...

Contribution ID: 50

Type: not specified

Identification of active and spectator species during low-temperature CO oxidation on a ceria-based catalyst using in situ time-resolved resonant X-ray emission spectroscopy

Presenter: KOPELENT, R.

XAFS Investigations of MoOx/Fe2...

Contribution ID: 51

Type: not specified

XAFS Investigations of MoOx/Fe2O3 based systems

Presenter: WELLS, P.P.

Contribution ID: 52

Type: not specified

Investigation of preferential CO oxidation over Co3O4 and CeO2-Co3O4 by operando X-ray absorption spectroscopy

Presenter: LUKASHUK, L.

/ Report of Contributions

Tracking of the changes during nu...

Contribution ID: 53

Type: not specified

Tracking of the changes during nucleation and growth of nanoparticles in solution –MCR-ALS analysis of time-resolved XANES data

Monday, August 24, 2015 1:30 PM (20 minutes)

Presenter: STANIUK, M. **Session Classification:** VI: Material Science

/ Report of Contributions

Interfacial water on nanodiamond ...

Contribution ID: 54

Type: not specified

Interfacial water on nanodiamonds in colloidal dispersions probed by transmission X-ray absorption spectroscopy

Monday, August 24, 2015 1:50 PM (20 minutes)

Presenter: PETIT, T.

/ Report of Contributions

In situ XAS uncovering the mecha...

Contribution ID: 55

Type: not specified

In situ XAS uncovering the mechanisms of thermal stabilization of polymer-clay nanocomposites

Monday, August 24, 2015 2:10 PM (20 minutes)

Presenter: CARVALHO, H.W.P.

Characterizing the structural prop...

Contribution ID: 56

Type: not specified

Characterizing the structural properties of the NPs formed by ion implantation in LPCVD and PECVD Si3N4 using XAS

Monday, August 24, 2015 2:30 PM (20 minutes)

Presenter: MIRZAEI, S.

/ Report of Contributions

Advanced ultralow-k organosilicat ...

Contribution ID: 57

Type: not specified

Advanced ultralow-k organosilicate glasses: NEXAFS study

Monday, August 24, 2015 2:50 PM (20 minutes)

Presenter: KONASHUK, A.

/ Report of Contributions

Upgraded X-ray Spectroscopy Mic...

Contribution ID: 58

Type: not specified

Upgraded X-ray Spectroscopy Microprobe Beamline 13-ID-E of the Advanced Photon Source

Monday, August 24, 2015 3:50 PM (30 minutes)

Presenter: NEWVILLE, M.

Session Classification: II. New sources and new instrumentation

/ Report of Contributions

X-ray Absorption Spectroscopy un...

Contribution ID: 59

Type: not specified

X-ray Absorption Spectroscopy under Extremes

Monday, August 24, 2015 4:20 PM (20 minutes)

Presenter: MATHON, O.

Session Classification: II. New sources and new instrumentation

Quick XAFS system with milliseco...

Contribution ID: 60

Type: not specified

Quick XAFS system with millisecond time resolution

Monday, August 24, 2015 4:40 PM (20 minutes)

Presenter: URUGA, T.

Session Classification: II. New sources and new instrumentation

Contribution ID: 61

Type: not specified

High-Flux EXAFS Beamline P64 at PETRAIII

Presenter: CALIEBE, W.

Contribution ID: 62

Type: not specified

The new QEXAFS monochromator, detection and data acquisition system at the SuperXAS beamline (SLS) for EXAFS spectroscopy with 15 ms time resolution

Presenter: MÜLLER, O.

/ Report of Contributions

Progress in XANES ab initio calcul...

Contribution ID: 63

Type: not specified

Progress in XANES ab initio calculations of complex metalloenzymes with two metal centers

Monday, August 24, 2015 3:50 PM (30 minutes)

Presenter: CHU, W.S.

/ Report of Contributions

Metal-hydride intermediates in Fe ...

Contribution ID: 64

Type: not specified

Metal-hydride intermediates in FeFe and NiFe hydrogenase enzymes detected and characterized by XAS/XES and DFT

Monday, August 24, 2015 4:20 PM (20 minutes)

Presenter: KOSITZKI, R.

/ Report of Contributions

Insights into the electronic structu ...

Contribution ID: 65

Type: not specified

Insights into the electronic structure of iron atoms in FeMo cofactor of nitrogenase and related models

Monday, August 24, 2015 4:40 PM (20 minutes)

Presenter: KOWALSKA, J.

/ Report of Contributions

Zn(II)/Cu(II) cross-coordination to ...

Contribution ID: 66

Type: not specified

Zn(II)/Cu(II) cross-coordination to Ab peptides can modulate the peptide aggregation propensity. A XAS structural study

Monday, August 24, 2015 5:00 PM (20 minutes)

Presenter: DE SANTIS, E.

/ Report of Contributions

Characterization of surface conta ...

Contribution ID: 67

Type: not specified

Characterization of surface contaminants of medical devices

Monday, August 24, 2015 5:20 PM (20 minutes)

Presenter: POLLAKOWSKI, B.

/ Report of Contributions

Precise observation of structural c ...

Contribution ID: 68

Type: not specified

Precise observation of structural change of Pd nanoparticles during surface adsorption and catalytic reaction

Monday, August 24, 2015 4:00 PM (20 minutes)

Presenter: MATSUMURA, D.

/ Report of Contributions

Confinement effects of carbon nan...

Contribution ID: 69

Type: not specified

Confinement effects of carbon nanotubes on catalysis

Monday, August 24, 2015 4:20 PM (20 minutes)

Presenter: ZHANG, F.

/ Report of Contributions

Mechanochemical preparation and ...

Contribution ID: 70

Type: not specified

Mechanochemical preparation and local structural analysis of Pd-LaFeO3 solid solutions by Pd K- and L3-edge X-ray absorption spectroscopy

Monday, August 24, 2015 4:40 PM (20 minutes)

Presenter: UCHIYAMA, T.

/ Report of Contributions

Geometric and electronic structure ...

Contribution ID: 71

Type: not specified

Geometric and electronic structure of Au on Au/CeO2 catalysts during the CO oxidation: Deactivation by reaction induced particle growth

Monday, August 24, 2015 5:00 PM (20 minutes)

Presenter: ABDEL-MAGEED, A.M.

/ Report of Contributions

Operando structure-activity correl...

Contribution ID: 72

Type: not specified

Operando structure-activity correlations in applied catalytic systems: Oscillatory CO oxidation in exhaust gas catalysts

Monday, August 24, 2015 5:20 PM (20 minutes)

Presenter: GÄNZLER, A.

/ Report of Contributions

Negative thermal expansion of ScF ...

Contribution ID: 73

Type: not specified

Negative thermal expansion of ScF3: an EXAFS study at the Scandium K-edge from 10 K up to 1100 K

Monday, August 24, 2015 3:50 PM (30 minutes)

Presenter: ALI, S.

/ Report of Contributions

Identification of carbon bonds in g ...

Contribution ID: 74

Type: not specified

Identification of carbon bonds in graphene oxide using soft x-ray reflectometry

Monday, August 24, 2015 4:20 PM (20 minutes)

Presenter: WAHAB, H.

/ Report of Contributions

High-resolution x-ray absorption a ...

Contribution ID: 75

Type: not specified

High-resolution x-ray absorption and emission spectroscopy study of Mn incorporation in AlxGa1-xN hetero-structures

Monday, August 24, 2015 4:40 PM (20 minutes)

Presenter: ROVEZZI, M.

/ Report of Contributions

Local atomic and electronic struct ...

Contribution ID: 76

Type: not specified

Local atomic and electronic structure of ferroelectric materials: X-ray investigation and computer modeling

Monday, August 24, 2015 5:00 PM (20 minutes)

Presenter: SUKHARINA, G.

/ Report of Contributions

Synthesis, characterization and m ...

Contribution ID: 77

Type: not specified

Synthesis, characterization and modeling of i-Al65Cu23Fe12 quasicrystals

Monday, August 24, 2015 5:20 PM (20 minutes)

Presenter: POLOZHENTSEV, O.

Contribution ID: 78

Type: not specified

Time-resolved x-ray absorption and emission spectroscopies to determine the structure of the catalytic active site

Presenter: NACHTEGAAL, M.

Contribution ID: 79

Type: not specified

Yoneda-XAFS experiments with X-ray area detectors

Presenter: GASSE, J.-C.

/ Report of Contributions

Probing the magnetization dynam...

Contribution ID: 80

Type: not specified

Probing the magnetization dynamics of spin valve systems using x-detected ferromagnetic resonance

Tuesday, August 25, 2015 10:40 AM (20 minutes)

Presenter: VAN DER LAAN, G. **Session Classification:** III: Advanced Methods

/ Report of Contributions

The quality of X-ray Absorption Fi...

Contribution ID: 81

Type: not specified

The quality of X-ray Absorption Fine Structure measurements by Transmission for dilute systems, using the Hybrid Technique

Tuesday, August 25, 2015 11:00 AM (20 minutes)

Presenter: CHANTLER, C.T. **Session Classification:** III: Advanced Methods

/ Report of Contributions

Time-resolved x-ray absorption an ...

Contribution ID: 82

Type: not specified

Time-resolved x-ray absorption and emission spectroscopies to determine the structure of the catalytic active site

Tuesday, August 25, 2015 11:20 AM (20 minutes)

Presenter: NACHTEGAAL, M. **Session Classification:** III: Advanced Methods

Yoneda-XAFS experiments with X- ...

Contribution ID: 83

Type: not specified

Yoneda-XAFS experiments with X-ray area detectors

Tuesday, August 25, 2015 11:40 AM (20 minutes)

Presenter: GASSE, J.-C.

Session Classification: III: Advanced Methods

/ Report of Contributions

Exploring the formation and struc ...

Contribution ID: 84

Type: not specified

Exploring the formation and structural diversity of Fe(III)-precipitates in aquatic systems using XAS

Tuesday, August 25, 2015 10:30 AM (20 minutes)

Presenter: VOEGELIN, A.

/ Report of Contributions

Probing the 3d states of Fe in goet ...

Contribution ID: 85

Type: not specified

Probing the 3d states of Fe in goethite using Al K-edge XANES spectroscopy

Tuesday, August 25, 2015 10:50 AM (20 minutes)

Presenter: DUCHER, M.

/ Report of Contributions

Metal (Hydr)oxides for the remova...

Contribution ID: 86

Type: not specified

Metal (Hydr)oxides for the removal of Cr(VI) from drinking

Tuesday, August 25, 2015 11:10 AM (20 minutes)

Presenter: FANI, P.

/ Report of Contributions

X-ray microspectroscopic investig ...

Contribution ID: 87

Type: not specified

X-ray microspectroscopic investigations of heavy metal uptake by argillaceous rocks

Tuesday, August 25, 2015 11:30 AM (20 minutes)

Presenter: DÄHN, R.

/ Report of Contributions

Polarization dependent total reflec ...

Contribution ID: 88

Type: not specified

Polarization dependent total reflection fluorescence XAFS and the control of metal structures on oxide surfaces

Tuesday, August 25, 2015 10:50 AM (20 minutes)

Presenter: ASAKURA, K.

/ Report of Contributions

XAFS study of the local structure ...

Contribution ID: 89

Type: not specified

XAFS study of the local structure of iron on the (0001) surface of the topological insulator Bi2Se3

Tuesday, August 25, 2015 11:10 AM (20 minutes)

Presenter: MEYERHEIM, H.L.

/ Report of Contributions

Atomically precise semiconductor-...

Contribution ID: 90

Type: not specified

Atomically precise semiconductor-graphene interfaces by Ge intercalation

Tuesday, August 25, 2015 11:30 AM (20 minutes)

Presenter: VERBITSKIY, N.I.

/ Report of Contributions

The Role Of Ag and Sb Ions In The ...

Contribution ID: 91

Type: not specified

The Role Of Ag and Sb Ions In The Resistive Switching Mechanism Of Conductive Bridging Random Access Memories

Tuesday, August 25, 2015 11:50 AM (20 minutes)

Presenter: D'ACAPITO, F.

/ Report of Contributions

Thermo-mechanical behaviour of ...

Contribution ID: 92

Type: not specified

Thermo-mechanical behaviour of EVA|CNT composites studied through in situ NEXAFS spectroscopy

Tuesday, August 25, 2015 10:30 AM (20 minutes)

/ Report of Contributions

Time-resolved XAFS in kinetic for ...

Contribution ID: 93

Type: not specified

Time-resolved XAFS in kinetic formation and transition mechanism of nanoclusters and nanocrystals

Tuesday, August 25, 2015 10:50 AM (20 minutes)

Presenter: YAO, T.

/ Report of Contributions

Operando X-ray absorption spectr ...

Contribution ID: 94

Type: not specified

Operando X-ray absorption spectroscopy: A key technique to understand the structure-function-relationship of noble metal doped gas sensing materials

Tuesday, August 25, 2015 11:10 AM (20 minutes)

Presenter: DEGLER, D.

/ Report of Contributions

In situ XANES/EXAFS study of the ...

Contribution ID: 95

Type: not specified

In situ XANES/EXAFS study of the formation of doped and undoped hollow g-Fe2O3 nanoparticles

Tuesday, August 25, 2015 11:30 AM (20 minutes)

Presenter: KWON, S.G.

/ Report of Contributions

XFEL-Spectroscopies at XFELs, Sh...

Contribution ID: 96

Type: not specified

XFEL-Spectroscopies at XFELs, Short Introduction

Tuesday, August 25, 2015 10:30 AM (10 minutes)

Presenter: BRESSLER, C. **Session Classification:** XEFL

/ Report of Contributions

Implications of adding the dimensi ...

Contribution ID: 97

Type: not specified

Implications of adding the dimension of time to science with X-rays

Tuesday, August 25, 2015 10:40 AM (30 minutes)

Presenter: FÖHLISCH, A. **Session Classification:** XEFL

/ Report of Contributions

Orbital-specific mapping of chemi ...

Contribution ID: 98

Type: not specified

Orbital-specific mapping of chemical dynamics

Tuesday, August 25, 2015 11:10 AM (20 minutes)

Presenter: WERNET, P. **Session Classification:** XEFL

/ Report of Contributions

Ultrafast generation of magnetic o ...

Contribution ID: 99

Type: not specified

Ultrafast generation of magnetic ordering in a first order phase transition in FeRh

Tuesday, August 25, 2015 11:30 AM (20 minutes)

Presenter: SCHERZ, A. **Session Classification:** XEFL

/ Report of Contributions

Stimulating soft X-ray emission fr ...

Contribution ID: 100

Type: not specified

Stimulating soft X-ray emission from condensed matter

Tuesday, August 25, 2015 11:50 AM (20 minutes)

Presenter: BEYE, M. **Session Classification:** XEFL

/ Report of Contributions

Homogeneous catalysis and high r ...

Contribution ID: 101

Type: not specified

Homogeneous catalysis and high resolution hard X-ray absorption and emission spectroscopy

Tuesday, August 25, 2015 1:30 PM (30 minutes)

Presenter: BAUER, M.

Session Classification: III: Advanced Methods

/ Report of Contributions

Abrupt vs. gradual spin-crossover ...

Contribution ID: 102

Type: not specified

Abrupt vs. gradual spin-crossover in classic Fe(II) and Fe(III) compounds analyzed by high-resolution XAS/XES and DFT

Tuesday, August 25, 2015 2:00 PM (20 minutes)

Presenter: MEBS, S.

Session Classification: III: Advanced Methods

/ Report of Contributions

In situ site-selective K-edge XAS: A ...

Contribution ID: 103

Type: not specified

In situ site-selective K-edge XAS: A powerful probe of the transformation of mixed-valence compounds

Tuesday, August 25, 2015 2:20 PM (20 minutes)

Presenter: BORDAGE, A. **Session Classification:** III: Advanced Methods

/ Report of Contributions

Redox sensitivity of cobalt in the C ...

Contribution ID: 104

Type: not specified

Redox sensitivity of cobalt in the CoMoS and CoNiMoS HDS catalyst: a Resonant Inelastic X-ray Scattering study

Tuesday, August 25, 2015 2:40 PM (20 minutes)

Presenter: AL SAMARAI, M. **Session Classification:** III: Advanced Methods

/ Report of Contributions

Looking at one proton with XES

Contribution ID: 105

Type: not specified

Looking at one proton with XES

Tuesday, August 25, 2015 3:00 PM (20 minutes)

Presenter: MIJOVILOVICH, A.

Session Classification: III: Advanced Methods

/ Report of Contributions

XAFS in high-energy-density matt ...

Contribution ID: 106

Type: not specified

XAFS in high-energy-density matter: solid iron up to 560GPa

Tuesday, August 25, 2015 1:30 PM (30 minutes)

Presenter: PING, Y.

Structural Properties of Sodium-...

Contribution ID: 107

Type: not specified

Structural Properties of Sodium-Rich Carbonate-Silicate Melts: An In-situ High-Pressure EXAFS Study on Y and Sr

Tuesday, August 25, 2015 2:00 PM (20 minutes)

Presenter: POHLENZ, J.

/ Report of Contributions

An XAS study of lead speciation in ...

Contribution ID: 108

Type: not specified

An XAS study of lead speciation in chloride solutions under hydrothermal conditions

Tuesday, August 25, 2015 2:20 PM (20 minutes)

Presenter: RAE, N.

/ Report of Contributions

Large area -high spatial resolution ...

Contribution ID: 109

Type: not specified

Large area -high spatial resolution iron XANES mapping of impact melt-bearing breccias

Tuesday, August 25, 2015 2:40 PM (20 minutes)

Presenter: WARD, M.J.

/ Report of Contributions

Discovering effect of radiation int ...

Contribution ID: 110

Type: not specified

Discovering effect of radiation interaction on color of freshwater cultured pearls

Tuesday, August 25, 2015 3:00 PM (20 minutes)

Presenter: PONGKRAPAN, S.

Contribution ID: 111

Type: not specified

Ex-situ and in-situ investigations of thermal anti-oxidation treatments of Cr-Ni steels by reflection mode EXAFS

Presenter: LÜTZENKIRCHEN-HECHT, D.

Ex-situ and in-situ investigations o ...

Contribution ID: 112

Type: not specified

Ex-situ and in-situ investigations of thermal anti-oxidation treatments of Cr-Ni steels by reflection mode EXAFS

Tuesday, August 25, 2015 1:30 PM (30 minutes)

Presenter: LÜTZENKIRCHEN-HECHT, D.

/ Report of Contributions

In situ X-ray absorption spectrosc ...

Contribution ID: 113

Type: not specified

In situ X-ray absorption spectroscopy characterization of the incipient growth of ZnO thin films by atomic layer deposition

Tuesday, August 25, 2015 2:00 PM (20 minutes)

Presenter: CHU, M.-H.

In situ XAFS and XRD observation ...

Contribution ID: 114

Type: not specified

In situ XAFS and XRD observation during a preparation process of an electroluminescent Tb doped alumina film

Tuesday, August 25, 2015 2:20 PM (20 minutes)

Presenter: BANDO, K.K.

/ Report of Contributions

Atomic structure of PtCu nanopar ...

Contribution ID: 115

Type: not specified

Atomic structure of PtCu nanoparticles in PtCu/C catalysts prepared by simultaneous and sequential deposition of components on carbon support

Tuesday, August 25, 2015 2:40 PM (20 minutes)

Presenter: BUGAEV, L.A.

/ Report of Contributions

EXAFS-A Powerful Tool to Deter ...

Contribution ID: 116

Type: not specified

EXAFS-A Powerful Tool to Determine the Structure of Active Species in Single-atom Catalysts

Tuesday, August 25, 2015 3:00 PM (20 minutes)

Presenter: ZHANG, L.

Session Classification: IV: Chemistry, catalysis, operando and time-resolved studies

/ Report of Contributions

Electrochemical operando soft x-...

Contribution ID: 117

Type: not specified

Electrochemical operando soft x-ray emission spectroscopy for Li-ion-battery electrodes

Tuesday, August 25, 2015 1:30 PM (20 minutes)

Presenter: ASAKURA, D.

Operando XAS Characterization of ...

Contribution ID: 118

Type: not specified

Operando XAS Characterization of LiS Batteries

Tuesday, August 25, 2015 1:50 PM (20 minutes)

Presenter: GORLIN, Y.

Contribution ID: 119

Type: not specified

In situ XAS/XRD Study of Li2FeSiO4 as LIB Cathode Material

Tuesday, August 25, 2015 2:10 PM (20 minutes)

Presenter: ARTHUR, Z.

/ Report of Contributions

In-situ techniques for soft X-ray s...

Contribution ID: 120

Type: not specified

In-situ techniques for soft X-ray spectroscopy on catalytic and electrochemical systems

Tuesday, August 25, 2015 2:30 PM (20 minutes)

Presenter: SCHWANKE, C.

/ Report of Contributions

Operando XAS study of Li-S batteries

Contribution ID: 121

Type: not specified

Operando XAS study of Li-S batteries

Tuesday, August 25, 2015 2:50 PM (20 minutes)

Presenter: AQUILANTI, G.

/ Report of Contributions

Probing chemical reaction dynami ...

Contribution ID: 122

Type: not specified

Probing chemical reaction dynamics with atomic specificity and resolution

Tuesday, August 25, 2015 1:30 PM (20 minutes)

Presenter: GAFFNEY, K. **Session Classification:** XEFL

/ Report of Contributions

Tracking light-induced ultrafast tr ...

Contribution ID: 123

Type: not specified

Tracking light-induced ultrafast transformations of transition metal complexes

Tuesday, August 25, 2015 1:50 PM (20 minutes)

Presenter: VANKÓ, G. **Session Classification:** XEFL

/ Report of Contributions

Developments for time-resolved x-...

Contribution ID: 124

Type: not specified

Developments for time-resolved x-ray spectroscopies using X-ray Free Electron Lasers at SACLA

Tuesday, August 25, 2015 2:10 PM (20 minutes)

Presenter: KATAYAMA, T. **Session Classification:** XEFL

/ Report of Contributions

Femto to Picosecond Transient Sta ...

Contribution ID: 125

Type: not specified

Femto to Picosecond Transient States of a Photoexcited WO3 Photocatalyst

Tuesday, August 25, 2015 2:30 PM (20 minutes)

Presenter: UEMURA, Y. **Session Classification:** XEFL

/ Report of Contributions

Development in Ultrafast X-ray Sp...

Contribution ID: 126

Type: not specified

Development in Ultrafast X-ray Spectroscopy at the X-ray Pump Probe Instrument of the LCLS

Tuesday, August 25, 2015 2:50 PM (20 minutes)

Presenter: ZHU, D. **Session Classification:** XEFL

/ Report of Contributions

Asymmetric pathways in the elect ...

Contribution ID: 127

Type: not specified

Asymmetric pathways in the electrochemical conversion reaction of NiO as battery electrode with high storage capacity

Tuesday, August 25, 2015 3:50 PM (20 minutes)

Presenter: MARCUS, M.

/ Report of Contributions

XAS spectroscopic fingerprint of t ...

Contribution ID: 128

Type: not specified

XAS spectroscopic fingerprint of the active site in non-precious metal electrocatalysts for PEM fuel cells

Tuesday, August 25, 2015 4:10 PM (20 minutes)

Presenter: ZITOLO, A.

/ Report of Contributions

A XAS study of the local environm ...

Contribution ID: 129

Type: not specified

A XAS study of the local environment and reactivity of Pt-sites in functionalized UiO-67 MOFs

Tuesday, August 25, 2015 4:30 PM (20 minutes)

Presenter: BORFECCIA, E.

On the electronic structure and co...

Contribution ID: 130

Type: not specified

On the electronic structure and coordination geometry of iron based metallo-supramolecular coordination polyelectrolytes in working electrochromic devices

Tuesday, August 25, 2015 4:50 PM (20 minutes)

Presenter: SZCZERBA, W.

/ Report of Contributions

Ground state character in high-...

Contribution ID: 131

Type: not specified

Ground state character in high-resolution x-ray absorption at M, N and O edges of actinides

Tuesday, August 25, 2015 3:50 PM (20 minutes)

Presenter: BUTORIN, S.M.

/ Report of Contributions

Using X-ray Raman to Study Soil C ...

Contribution ID: 132

Type: not specified

Using X-ray Raman to Study Soil Carbon Biogeochemistry

Tuesday, August 25, 2015 4:10 PM (20 minutes)

Presenter: MISHRA, B.

/ Report of Contributions

XAFS study of copper(II) diethylen ...

Contribution ID: 133

Type: not specified

XAFS study of copper(II) diethylenetriamine complexes having different coordination geometries

Tuesday, August 25, 2015 4:30 PM (20 minutes)

Presenter: GAUR, A.

/ Report of Contributions

X-Ray Absorption Spectroscopic a ...

Contribution ID: 134

Type: not specified

X-Ray Absorption Spectroscopic analyses of stable Fe-phases in aged cements

Tuesday, August 25, 2015 4:50 PM (20 minutes)

Presenter: VESPA, M.

/ Report of Contributions

Local structure and bonding of ma ...

Contribution ID: 135

Type: not specified

Local structure and bonding of magnetic dopants in Bi2Se3 and Bi2Te3 topological insulator thin films

Tuesday, August 25, 2015 3:50 PM (20 minutes)

Presenter: FIGUEROA, A. **Session Classification:** VI: Material Science

/ Report of Contributions

EXAFS study on the structural pro...

Contribution ID: 136

Type: not specified

EXAFS study on the structural properties of In and In + C implanted Ge

Tuesday, August 25, 2015 4:50 PM (20 minutes)

Presenter: FENG, R.

Session Classification: VI: Material Science

/ Report of Contributions

Subtle local structural variations in ...

Contribution ID: 137

Type: not specified

Subtle local structural variations in oxygen deficient niobium germanate thin film glasses as revealed by x-ray absorption spectroscopy

Tuesday, August 25, 2015 4:10 PM (20 minutes)

Presenter: SAHINER, M.A. **Session Classification:** VI: Material Science

/ Report of Contributions

Soft x-ray absorption spectroscopy ...

Contribution ID: 138

Type: not specified

Soft x-ray absorption spectroscopy on Atomic Layer Deposition grown ZnO films

Tuesday, August 25, 2015 4:30 PM (20 minutes)

Presenter: KOWALIK, I.A.

Session Classification: VI: Material Science

/ Report of Contributions

X-Ray Spectroscopy at XFELs –Pre ...

Contribution ID: 139

Type: not specified

X-Ray Spectroscopy at XFELs – Present and Future

Tuesday, August 25, 2015 3:50 PM (20 minutes)

Session Classification: XEFL

/ Report of Contributions

Revealing charge carrier trapping i ...

Contribution ID: 140

Type: not specified

Revealing charge carrier trapping in ZnO nanoparticles with femtosecond time-resolved X-ray spectroscopy

Tuesday, August 25, 2015 4:10 PM (20 minutes)

Presenter: PENFOLD, T.

Session Classification: XEFL

/ Report of Contributions

RIXS spectroscopy at hard XFELs...

Contribution ID: 141

Type: not specified

RIXS spectroscopy at hard XFELs using non-monochroma-tized SASE pulses

Tuesday, August 25, 2015 4:30 PM (20 minutes)

Presenter: KAYSER, Y. **Session Classification:** XEFL

/ Report of Contributions

Matter under extreme conditions p ...

Contribution ID: 142

Type: not specified

Matter under extreme conditions probed with ultrafast XANES on FEL facilities

Tuesday, August 25, 2015 4:50 PM (20 minutes)

Presenter: HARMAND, M. **Session Classification:** XEFL

/ Report of Contributions

XFEL-close out

Contribution ID: 143

Type: not specified

XFEL-close out

Tuesday, August 25, 2015 5:10 PM (10 minutes)

Presenter: BRESSLER, C.

Session Classification: XEFL

/ Report of Contributions

Ultrafast X-ray Spectroscopic Prob...

Contribution ID: 144

Type: not specified

Ultrafast X-ray Spectroscopic Probing of Catalytic Surface Chemical Reactions using LCLS

Tuesday, August 25, 2015 8:30 AM (20 minutes)

Presenter: NILSSON, Anders

Session Classification: II. New sources and new instrumentation

/ Report of Contributions

Emerging applications of high-...

Contribution ID: 145

Type: not specified

Emerging applications of high-resolution XANES spectroscopy in environmental science

Tuesday, August 25, 2015 9:00 AM (40 minutes)

Presenter: MANCEAU, Alain

/ Report of Contributions

XMCD on Fe-based nanoparticles: ...

Contribution ID: 146

Type: not specified

XMCD on Fe-based nanoparticles: Two examples of theory and experiment complementing one another

Friday, August 28, 2015 10:20 AM (30 minutes)

Presenter: SCHMITZ-ANTONIAK, C. **Session Classification:** VI: Material Science