

Session Program

Aug 23 - 28, 2015

XAFS16

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

Mon, August 24

10:40 AM

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

Session | Location:

10:40 – 11:00

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

Speaker

Mr Yuanyuan Li

11:00 – 11:20

Quick XAFS system with millisecond time resolution

Speaker

Mr Tomoya Uruga

11:20 – 11:40

ROCK: the Quick-EXAFS beamline at SOLEIL

Speaker

Mrs Laurent Barthe

11:40 – 12:00

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

Speaker

Mr Justus Just

12:00 PM

1:20 PM

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

Session | Location:

13:20 – 13:40

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

Speaker

A.M. Abdel-Mageed

Location

C

13:40 – 14:00

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

Speaker

T. Uchiyama

Location

C

14:00 – 14:20

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

Speaker

C. Lamberti

Location

C

14:20 – 14:40

Confinement effects of carbon nanotubes on catalysis**Speaker**

F. Zhang

Location

C

14:40 – 15:00

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

A. Gänzler

Location

3:10 PM

4:00 PM

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

Session | Location:

16:00 – 16:20

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

D. Matsumura

16:20 – 16:40

Confinement effects of carbon nanotubes on catalysis**Speaker**

F. Zhang

16:40 – 17:00

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

T. Uchiyama

17:00 – 17:20

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

A.M. Abdel-Mageed

17:20 – 17:40

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

A. Gänzler

5:40 PM

Tue, August 25

10:30 AM

IV: Chemistry, catalysis, operando and time-resolved studies: Surfaces and Interfaces

Session | **Location:** 30.95, Audimax B

10:50 – 11:10

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

Speaker

K. Asakura

Location

30.95, Audimax B

11:10 – 11:30

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

Speaker

H.L. Meyerheim

Location

30.95, Audimax B

11:30 – 11:50

Atomically precise semiconductor-graphene interfaces by Ge intercalation

Speaker

N.I. Verbitskiy

Location

30.95, Audimax B

11:50 – 12:10

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

Speaker

F. d'Acapito

Location

30.95, Audimax B

12:10 PM

1:30 PM

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

Session | **Location:** 30.95, Audimax B

13:30 – 14:00

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

Speaker

D. Lützenkirchen-Hecht

14:00 - 14:20

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

M.-H. Chu

14:20 - 14:40

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

K.K. Bando

14:40 - 15:00

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

L.A. Bugaev

15:00 - 15:20

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

L. Zhang

3:20 PM

Wed, August 26

8:30 AM

9:10 AM

10:40 AM

12:30 PM

**IV: Chemistry, catalysis, operando and time-resolved studies: IV:
Chemistry, catalysis, operando and time-resolved studies**

Session | Location:

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Session | Location: