

2023 HESEB Research Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

IN PERSON: Event-averaged time-resolved APXPS with chemical perturbations: studying gas/solid processes with a microsecond time resolution

Presenter: Dr SHAVORSKIY, Andrey (Lund University, Sweden)

Contribution ID: 2

Type: **not specified**

IN PERSON: Nanostructured Cd_{0.5}Cu_{0.5}Cr_xFe_{2-x}O₄/ rGo ferrites electrode with ultra-long lifetime for electrochemical capacitors

Presenter: Dr SHAIMAA, Habib (Damnhour University, Egypt)

Contribution ID: 3

Type: **not specified**

ONLINE: A deeper spectroscopic look at chemical bonding and hybridization

Presenter: Dr WEINHARDT, Lothar (Karlsruhe Institute of Technology, Germany)

Contribution ID: 4

Type: **not specified**

IN PERSON: {Title will be provided}

Presenter: Prof. AFANEH, Feras (Hashemite University, Jordan)

Contribution ID: 5

Type: **not specified**

Coffee Break

Contribution ID: 6

Type: **not specified**

Coffee Break

Contribution ID: 7

Type: **not specified**

IN PERSON: Lightsources Meet Their Responsibility

Presenter: Dr VOLLMER, Antje (Helmholtz Zentrum Berlin, Germany)

Contribution ID: 8

Type: **not specified**

HESEB for Materials Research

Presenter: Prof. ÖZKENDİR, Osman Murat (Tarsus University, Turkey)

Contribution ID: 9

Type: **not specified**

Lunch

Contribution ID: **10**

Type: **not specified**

ONLINE: FlexPES: a general purpose beamline for photoemission and soft x ray absorption at MAX IV

Presenter: Dr PREOBRAJENSKI, Alexei (Lund University, Sweden)

Contribution ID: 11

Type: **not specified**

IN PERSON: Synchrotron-Based X-Ray Fluorescence Analysis of Roman Wall paintings from Bayt Ras tomb

Presenter: Dr AL KHASAWNEH, Sahar (Yarmouk University, Jordan)

Contribution ID: 12

Type: **not specified**

IN PERSON: Exploring functional properties at the nanoscale by X-ray photoemission electron microscopy

Presenter: Dr KRONAST, Florian (Helmholtz Zentrum Berlin, Germany)

Contribution ID: 13

Type: **not specified**

ONLINE: Soft X-Ray ARPES: From Bulk Materials to Buried Heterostructures and Impurities

Presenter: Dr STROCOV, Vladimir (Paul Scherrer Institute, Switzerland)

Contribution ID: 14

Type: **not specified**

ONLINE or IN PERSON: A mechanistic study of environmental photocatalysts using XAFS/XPS at HESEB

Presenter: Ms FATOLAH, Maryam (Shahid Bahonar University of Kerman, Iran)

Contribution ID: 15

Type: **not specified**

IN PERSON: Insights from X-ray Photoelectron Spectroscopy and X-ray Photoelectron Diffraction in 2D Material Research

Presenter: Dr LIZZIT, Silvano (Elettra Sincrotrone Trieste, Italy)

Contribution ID: 16

Type: **not specified**

IN PERSON: The electronic structure study of Mn substituted LiFeO₂ material

Presenter: Ms GÜNAYDIN, Selen (Tarsus University, Turkey)

Contribution ID: 17

Type: **not specified**

ONLINE: Ambient Pressure Photoelectron Spectroscopy for heterogeneous catalysis

Presenter: Dr PÉREZ DIESTE, Virginia (ALBA Synchrotron, Spain)

Contribution ID: **18**

Type: **not specified**

Coffee Break

Contribution ID: 19

Type: **not specified**

IN PERSON: Synchrotron-based Ambient Pressure X-ray Photoelectron Spectroscopy (APXPS) Study of CO Oxidation on Copper

Presenter: Mr MOHAMMADPOUR, Amin (Koç University, Turkey)

Contribution ID: **20**

Type: **not specified**

ONLINE: {Title will be provided}

Presenter: Dr GIANONCELLI, Alessandra (ELETTRA Synchrotron Trieste, Italy)

Contribution ID: 21

Type: **not specified**

IN PERSON: Soft X-ray Absorption Spectroscopy Study of Carbon- based Nanostructures for Environmental Applications

Presenter: Dr ATWA KHALIL, Dina (Beni Suef University, Egypt)

Contribution ID: **22**

Type: **not specified**

Lunch

Contribution ID: 23

Type: **not specified**

LIKELY IN PERSON: {Title will be provided}

Presenter: Dr HOESCH, Moritz (German Electron Synchrotron DESY)

Contribution ID: 24

Type: **not specified**

ONLINE: High energy resolution X-ray spectroscopy in the Tender and Hard X-ray ranges

Presenter: Prof. KVASHNINA, Kristina (ESRF, France and HZDR, Germany)

Contribution ID: 25

Type: **not specified**

IN PERSON: Advanced Capabilities of the HESEB Soft X-ray Beamline at SESAME for Multi-disciplinary Scientific Research

Primary authors: Dr GENISEL, Mustafa (SESAME Synchrotron, Jordan); Dr ÖZTÜRK, Züribye (SESAME Synchrotron, Jordan)

Presenters: Dr GENISEL, Mustafa (SESAME Synchrotron, Jordan); Dr ÖZTÜRK, Züribye (SESAME Synchrotron, Jordan)

Contribution ID: 26

Type: **not specified**

Coffee Break

Contribution ID: 27

Type: **not specified**

General Discussion, Future Plans, Closing Remarks

Contribution ID: **28**

Type: **not specified**

Talk 1

Contribution ID: 29

Type: **not specified**

ONLINE: Event-averaged time-resolved APXPS with chemical perturbations: studying gas/solid processes with a microsecond time resolution

Tuesday 5 December 2023 10:00 (30 minutes)

Presenter: Dr SHAVORSKIY, Andrey (Lund University, Sweden)

Session Classification: Session 7

Contribution ID: 30

Type: **not specified**

IN PERSON: Nanostructured Cd_{0.5}Cu_{0.5}Cr_xFe_{2-x}O₄/ rGo ferrites electrode with ultra-long lifetime for electrochemical capacitors

Sunday 3 December 2023 15:30 (30 minutes)

Presenter: Dr SHAIMAA, Habib (Damnhour University, Egypt)

Session Classification: Session 1

Contribution ID: 31

Type: **not specified**

ONLINE: A deeper spectroscopic look at chemical bonding and hybridization

Sunday 3 December 2023 14:30 (30 minutes)

Presenter: Dr WEINHARDT, Lothar (Karlsruhe Institute of Technology, Germany)

Session Classification: Session 1

Contribution ID: 32

Type: **not specified**

ONLINE: Soft X-Ray Research Opportunities Using HESEB Beamline: (i) COLTRIMS Spectroscopy and (ii) XMCD/XMLD Spectroscopy

Sunday 3 December 2023 16:30 (30 minutes)

Presenter: Prof. AFANEH, Feras (Hashemite University, Jordan)

Session Classification: Session 2

Contribution ID: 33

Type: **not specified**

IN PERSON: Lightsources Meet Their Responsibility

Presenter: Dr VOLLMER, Antje (Helmholtz Zentrum Berlin, Germany)

Session Classification: Session 2

Contribution ID: 34

Type: **not specified**

IN PERSON: HESEB for Materials Research

Sunday 3 December 2023 17:30 (30 minutes)

Presenter: Prof. ÖZKENDIR, Osman Murat (Tarsus University, Turkey)

Session Classification: Session 2

Contribution ID: 35

Type: **not specified**

ONLINE: FlexPES: a general purpose beamline for photoemission and soft x ray absorption at MAX IV

Monday 4 December 2023 09:00 (30 minutes)

Presenter: Dr PREOBRAJENSKI, Alexei (Lund University, Sweden)

Session Classification: Session 3

Contribution ID: 36

Type: **not specified**

IN PERSON: Synchrotron-Based X-Ray Fluorescence Analysis of Roman Wall paintings from Bayt Ras tomb

Monday 4 December 2023 09:30 (30 minutes)

Presenter: Dr AL KHASAWNEH, Sahar (Yarmouk University, Jordan)

Session Classification: Session 3

Contribution ID: 37

Type: **not specified**

ONLINE: Exploring functional properties at the nanoscale by X-ray photoemission electron microscopy

Monday 4 December 2023 10:00 (30 minutes)

Presenter: Dr KRONAST, Florian (Helmholtz Zentrum Berlin, Germany)

Session Classification: Session 3

Contribution ID: 38

Type: **not specified**

ONLINE: Soft X-Ray ARPES: From Bulk Materials to Buried Heterostructures and Impurities

Monday 4 December 2023 11:00 (30 minutes)

Presenter: Dr STROCOV, Vladimir (Paul Scherrer Institute, Switzerland)

Session Classification: Session 4

Contribution ID: 39

Type: **not specified**

IN PERSON: A mechanistic study of environmental photocatalysts using XAFS/XPS at HESEB

Monday 4 December 2023 11:30 (30 minutes)

Presenter: Ms FATOLAH, Maryam (Shahid Bahonar University of Kerman, Iran)

Session Classification: Session 4

Contribution ID: 40

Type: **not specified**

ONLINE: Insights from X-ray Photoelectron Spectroscopy and X-ray Photoelectron Diffraction in 2D Material Research

Presenter: Dr LIZZIT, Silvano (Elettra Sincrotrone Trieste, Italy)

Session Classification: Session 5

Contribution ID: 41

Type: **not specified**

IN PERSON: The electronic structure study of Mn substituted LiFeO₂ material

Presenter: Ms GÜNAYDIN, Selen (Tarsus University, Turkey)

Session Classification: Session 5

Contribution ID: 42

Type: **not specified**

ONLINE: Ambient Pressure Photoelectron Spectroscopy for heterogeneous catalysis

Presenter: Dr PÉREZ DIESTE, Virginia (ALBA Synchrotron, Spain)

Session Classification: Session 5

Contribution ID: 43

Type: **not specified**

IN PERSON: Synchrotron-based Ambient Pressure X-ray Photoelectron Spectroscopy (APXPS) Study of CO Oxidation on Copper

Presenter: Mr MOHAMMADPOUR, Amin (Koç University, Turkey)

Session Classification: Session 6

Contribution ID: 44

Type: **not specified**

ONLINE: {Title will be provided}

Presenter: Dr GIANONCELLI, Alessandra (Elettra Sincrotrone Trieste, Italy)

Session Classification: Session 6

Contribution ID: 45

Type: **not specified**

IN PERSON: Soft X-ray Absorption Spectroscopy Study of Carbon- based Nanostructures for Environmental Applications

Presenter: Dr ATWA KHALIL, Dina (Beni Suef University, Egypt)

Session Classification: Session 6

Contribution ID: 46

Type: **not specified**

IN PERSON: Soft X-ray Science at PETRA-III, DESY Hamburg

Tuesday 5 December 2023 09:00 (30 minutes)

Presenter: Dr HOESCH, Moritz (German Electron Synchrotron DESY)

Session Classification: Session 7

Contribution ID: 47

Type: **not specified**

ONLINE: High energy resolution X-ray spectroscopy in the Tender and Hard X-ray ranges

Tuesday 5 December 2023 09:30 (30 minutes)

Presenter: Prof. KVASHNINA, Kristina (ESRF, France and HZDR, Germany)

Session Classification: Session 7

Contribution ID: 48

Type: **not specified**

IN PERSON: Advanced Capabilities of the HESEB Soft X-ray Beamline at SESAME for Multi-disciplinary Scientific Research

Sunday 3 December 2023 15:00 (30 minutes)

Presenters: Dr GENISEL, Mustafa (SESAME Synchrotron, Jordan); Dr ÖZTÜRK, Zeynep (SESAME Synchrotron, Jordan)

Session Classification: Session 1

Contribution ID: 49

Type: **not specified**

ONLINE: Ambient Pressure Photoelectron Spectroscopy for Heterogeneous Catalysis

Sunday 3 December 2023 17:00 (30 minutes)

Presenter: Dr PÉREZ DIESTE, Virginia (ALBA Synchrotron, Spain)

Session Classification: Session 2

Contribution ID: 50

Type: **not specified**

ONLINE: Insights from X-ray Photoelectron Spectroscopy and X-ray Photoelectron Diffraction in 2D Material Research

Monday 4 December 2023 12:00 (30 minutes)

Presenter: Dr LIZZIT, Silvano (Elettra Sincrotrone Trieste, Italy)

Session Classification: Session 4

Contribution ID: 51

Type: **not specified**

IN PERSON: The electronic structure study of Mn substituted LiFeO₂ material

Monday 4 December 2023 14:00 (30 minutes)

Presenter: Ms GÜNAYDIN, Selen (Tarsus University, Turkey)

Session Classification: Session 5

Contribution ID: 52

Type: **not specified**

ONLINE: Lightsources Meet Their Responsibility

Monday 4 December 2023 14:30 (30 minutes)

Presenter: Dr VOLLMER, Antje (Helmholtz Zentrum Berlin, Germany)

Session Classification: Session 5

Contribution ID: 53

Type: **not specified**

IN PERSON: Synchrotron-based Ambient Pressure X-ray Photoelectron Spectroscopy (APXPS) Study of CO Oxidation on Copper

Monday 4 December 2023 15:00 (30 minutes)

Presenter: Mr MOHAMMADPOUR, Amin (Koç University, Turkey)

Session Classification: Session 5

Contribution ID: 54

Type: **not specified**

ONLINE: Soft X-ray Microscopy at TwinMic beamline Elettra Sincrotrone Trieste

Monday 4 December 2023 16:00 (30 minutes)

Presenter: Dr GIANONCELLI, Alessandra (Elettra Sincrotrone Trieste, Italy)

Session Classification: Session 6

Contribution ID: 55

Type: **not specified**

IN PERSON: Soft X-ray Absorption Spectroscopy Study of Carbon- based Nanostructures for Environmental Applications

Monday 4 December 2023 16:30 (30 minutes)

Presenter: Dr ATWA KHALIL, Dina (Beni Suef University, Egypt)

Session Classification: Session 6