

ECOSS 36

*EUROPEAN
CONFERENCE
ON
SURFACE
SCIENCE*

28.08.2023 – 01.09.2023
LODZ, POLAND

CONFERENCE GUIDE BOOK (VERSION 25/08)

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WELCOMING WORDS

On behalf of the organization and scientific committees, we cordially welcome you on the **36th European Conference on Surface Science (ECOSS-36)** organized in Lodz, Poland. ECOSS is a well-established annual meeting directed jointly by the Surface Science Division of the International Union for Vacuum Science, Technique and Applications (IUVSTA) and the Surface and Interface Section of the European Physical Society (EPS). The conference provides an excellent opportunity for scientists from Europe and the rest of the world to meet and discuss the latest advances in the physics and chemistry of surfaces. Furthermore, it is a forum to discuss the progress of surface science in related innovation fields such as heterogeneous catalysis, organic molecular nano-architectures, two-dimensional materials and graphene, nanoelectronics, bio-nanoscience and functional and energy materials studied both using theoretical and experimental methods. We are particularly excited to have you here in Lodz, a city of rich multicultural and industrial heritage in the heart of Poland. Enjoy the conference and the city of Lodz!



PAWEŁ KOWALCZYK
ECOSS-36 CHAIR




Maciej Rogala
Paweł Dąbrowski
Paweł Krukowski
Deputy Chair


ORGANIZING INSTITUTIONS

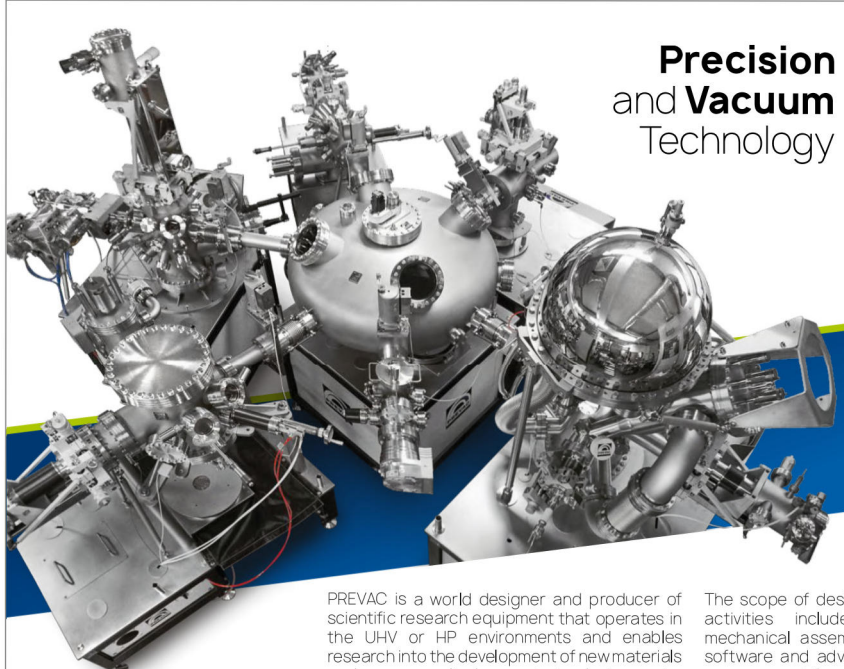
University of Lodz (UŁ)
 Department of Solid State Physics (KFCS)
 Faculty of Physics and Applied Informatics, University of Lodz
 National Photovoltaic Laboratory (NLF)
 European Magnetic Field Laboratory Poland (EMFL-Poland)
 European Physics Society (EPS)
 International Union for Vacuum Science, Technique and applications (IUVSTA)
 Polish Vacuum Society (PTP)





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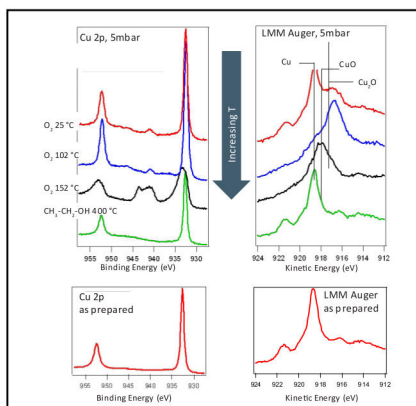
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Oxidation and reduction study of polycrystalline copper at 5 mbar and variable temperature. The experiment starts with the as-prepared state (bottom) which is characterized by the metallic signature of the Cu. Introducing 5 mbar of O₂ gas to the system, one observes the gradual oxidation of the Cu with increasing temperature up till 152 °C. Using ca. 5 mbar ethanol and heating to 400 °C the surface is reduced back to its original metallic state.

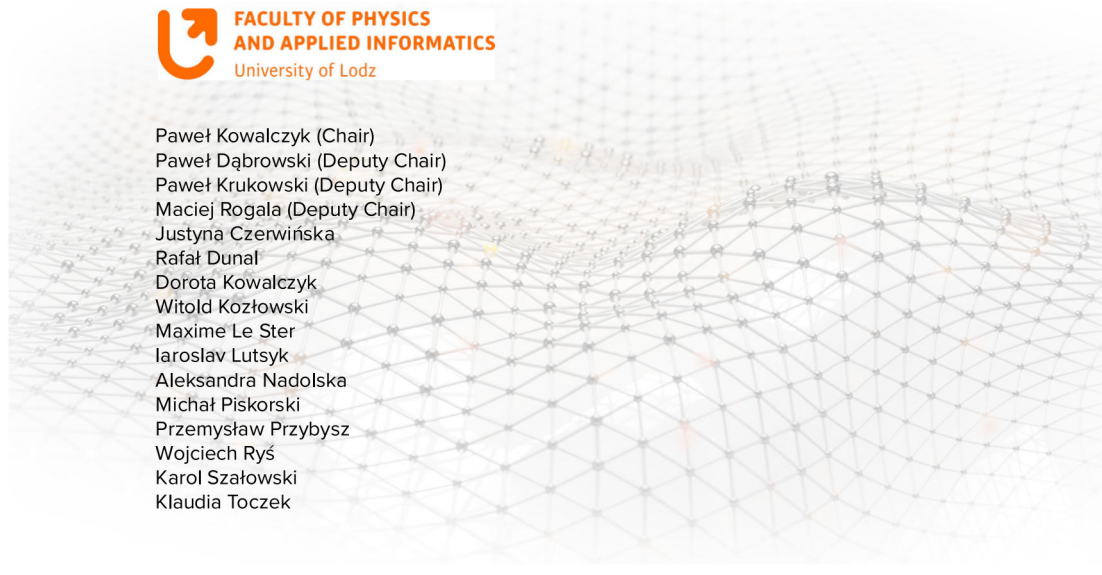


LOCAL ORGANIZING COMMITTEE

FACULTY OF PHYSICS AND APPLIED INFORMATICS, UNIVERSITY OF LODZ



- Paweł Kowalczyk (Chair)
- Paweł Dąbrowski (Deputy Chair)
- Paweł Krukowski (Deputy Chair)
- Maciej Rogala (Deputy Chair)
- Justyna Czerwińska
- Rafał Dunał
- Dorota Kowalczyk
- Witold Kozłowski
- Maxime Le Ster
- Iaroslav Lutsyk
- Aleksandra Nadolska
- Michał Piskorski
- Przemysław Przybyś
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- Karol Szałowski
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Faculty of Physics and Applied Informatics of
University of Lodz



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EC1 - CENTRUM NAUKI - SCIENCE CENTER



BIAŁA FABRYKA



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Andrzej Wysmołek – *University of Warsaw, Poland*
Ilona Zasada – *University of Lodz, Poland*
Mariusz Zdrojek – *Warsaw U. of Technology, Poland*

INFORMATION ABOUT THE ECOSS SERIES

ECOSS is organized jointly by the Surface Science Division of IUVSTA (the International Union for Vacuum Science, Techniques and Applications) and the Surface and Interface Section of the European Physical Society (EPS). The conference does not run in years when the triennial IUVSTA Vacuum Congress is held in Europe.

- | | | |
|------------------------|-----------------|-------------------|
| 1978 – AMSTERDAM | 1993 – WARWICK | 2008 – LIVERPOOL |
| 1979 – CAMBRIDGE | 1994 – LEIPZIG | 2009 – PARMA |
| 1980 – CANNES | 1995 – LILLE | 2010 – GRONINGEN |
| 1981 – MÜNSTER | 1996 – GENOVA | 2011 – WROCLAW |
| 1982 – GENT | 1997 – ENSCHEDE | 2012 – EDINBURGH |
| 1984 – YORK | 1999 – VIENNA | 2014 – ISTANBUL |
| 1985 – AIX-EN-PROVENCE | 2000 – MADRID | 2015 – BARCELONA |
| 1986 – JÜLICH | 2001 – KRAKOW | 2016 – GRENOBLE |
| 1987 – LUZERN | 2002 – MALMÖ | 2017 – SZEGED |
| 1988 – BOLOGNA | 2003 – PRAGUE | 2018 – AARHUS |
| 1990 – SALAMANCA | 2005 – BERLIN | 2022 – LUXEMBOURG |
| 1991 – STOCKHOLM | 2006 – PARIS | 2023 – ŁÓDŹ |

CONFERENCE VENUE

VIENNA HOUSE BY WYNDHAM ANDEL'S LODZ, OGRODOWA 17, 91-065 ŁÓDŹ

This year's ECOSS is hosted at *Vienna House by Wyndham Andel's Lodz*, one of Poland's most-celebrated hotels. Located in a former textile mill on the grounds of the *Manufaktura* complex, it is an easy walking distance from the bustling heart of Lodz's, *Piotrkowska* street. The main conference events (Opening, Plenary sessions, Gala dinner) will be held in the Grand Auditorium with a capacity of 600+ seats. The (up to) six parallel sessions and the PCAM school will be held in the same building in the ground floor, in the rooms R1–R6 with a capacity of 60-120 seats (see plan page 19). Poster sessions will be held in the



GENERAL INFORMATION

OFFICIAL LANGUAGE

The official language of the conference is English.

WI-FI ACCESS

Wi-Fi is provided by the conference venue, ask the reception desk if you have trouble to log in.

CONFERENCE BADGES

All delegates, exhibitors and visitors must wear their name badges at all times to admit admittance to the areas of the congress site.

PUBLICATION

There will be no publication of proceedings. A PDF document containing all the abstracts of the conference is provided.

OPENING HOURS

REGISTRATION DESK

Sun 27 August	18:00 – 20:00
Mon 28 August	07:30 – 20:00
Tue 29 August	08:30 – 17:30
Wed 30 August	08:30 – 18:30
Thu 31 August	08:30 – 18:30
Fri 01 September	08:30 – 12:45

EXHIBITION

Tue 29 August	09:00 – 17:30
Wed 30 August	09:00 – 18:30
Thu 31 August	09:00 – 18:30

DISCLAIMER

The program is preliminary. The organizers reserve the right to alter the program if and as is deemed necessary. The ECOSS-36 organization have the right for any reason beyond their control to alter or to cancel, without prior notice, the Conference or any of the arrangements, time tables, plans or other items relating directly or indirectly to the Conference. The ECOSS-36 shall not be liable for any loss, damage, expenditure or inconvenience caused as a result of such alteration or cancellation. For up-to-date program and information, use the QR code on the back of your badge or go to <https://ecoss36.uni.lodz.pl/programme>

ORAL PRESENTATION GUIDELINES

Projection will be available in the session rooms which are equipped with a computer, a projector, a microphone and a pointer. All the hardware elements will be provided by the organizers to ensure consistency in technical quality and allow for quick and smooth transition between speakers. The presenters can upload their lectures in the halls where their lecture will be held. There will be technical assistance in every lecture room before and during the sessions. If the presentation contains very special characters or fonts, we recommend using your own laptop (HDMI is provided). If not embedded, the video files attached to the presentation must be located in the same folder as the presentation files.

PLENARY TALK	45 MIN + 15 MIN Q/A
INVITED TALK	35 MIN + 5 MIN Q/A
CONTRIBUTED TALK	15 MIN + 5 MIN Q/A

People chairing the different sessions will be strict on timing and will ensure the fluidity of the sessions.

MINI-SYMPOSIA

ECOSS-36 also features Mini-Symposia (MS) sessions, curated and organized by a specialist in a the scientific field. Some of the MS talks are labeled as “featured” at the discretion of their organizers.

INSTRUCTIONS FOR PRESENTATION

Supported presentation types are MS Office, Adobe PDF. The following storage devices are accepted: USB stick, external HD or stored from the internet. We strongly recommend to save the presentation on two different devices. All presentations and associated files will be deleted at the end of the congress.

PUBLIC TRANSPORT

ECOSS-36 will provide complimentary 3-day public transport tickets (tram+bus - MPK-Łódź network) to the participants. Every paper ticket should be immediately validated in the validating machine upon entering the tram or bus. Persons over 70 years old and children under 4 travel free of charge presenting a document with the date of birth.

Ask the registration desk for more information or if you need additional MPK tickets.

POSTER PRESENTATION GUIDELINES

GENERAL INFORMATION

The poster exhibitions will be held on the Poster Session room in the ground floor. Your poster board will be marked with the same marker as listed in the Abstract Book (for example – Mon-PP-22 or Wed-PP-31). Poster presenters must ensure that their poster is fixed to the corresponding numbered board on the relevant days according to the Scientific Programme. The posters must be removed following the session. Refreshments will be provided during both poster sessions.

POSTER FORMAT

Posters must be printed up to A0 size (Portrait orientation) before the day of the presentation. There are no printing facilities on site. Suitable gel tape will be provide.

POSTER SESSION 1

Monday 28 August, 18:30–20:00

POSTER SESSION 2

Wednesday 30 August, 18:30–20:00

PRIZES & GRANTS

ECOSS PRIZE

Our Gold Sponsor SPECS will sponsor this year's ECOSS prize, rewarding the best oral presentation.



EPS POSTER PRIZE

This year, the poster prize sponsored by EPS will be awarded to the PhD student preparing the best poster, rewarding both the quality and originality of the research as well as the presentation.



EPS INVITED SPEAKER GRANT

For this edition, EPS supported prof Yevgen Borshchagivsky from the Institute of Semiconductor Physics of NAS of Ukraine in Kyiv, covering travel and fees.



POLISH VACUUM SOCIETY POSTER PRIZE

This year the Polish Vacuum Society (PTP) will also sponsor a best poster prize award.



SCHOOLS

PCAM SCHOOL

The Physics and Chemistry of Material Sciences (PCAM) network will host a week-long school in parallel of the rest of the conference, on “Thin film materials - theory and applications”. Find more information [here](#).



SURFACE SCIENCE TOOLBOX

The applied surface science division IU-VSTA organized a School on Surface Science Techniques in Poznań, Poland (23 –26th August 2023) led and hosted by Mikołaj Lewandowski.



PLENARY SPEAKERS



PROF KLAUS VON KLITZING
NOBEL PRIZE IN PHYSICS 1985
MAX PLANCK INSTITUTE FOR SOLID STATE RESEARCH, STUTTGART, GERMANY
“How Basic Research on Surfaces led to a Nobel Prize and a Revolution in Metrology”
Mon-09:00-PL



PROF CHRISTIAN A. NIJHUIS
DEPARTMENT OF MOLECULES AND MATERIALS, UNIVERSITY OF TWENTE, NL
“Intelligent Molecular Switches that Mimic Synapses”
Tue-09:00-PL



PROF BEATRIZ ROLDÁN CUENYA
DEPARTMENT OF INTERFACE SCIENCE, FRITZ-HABER-INSTITUTE, GERMANY
“Why is Operando Crucial for the Future of Surface Science?”
Wed-09:00-PL



PROF CRISTIANA DI VALENTIN
UNIVERSITÀ DI MILANO BICOCCA, ITALY
“Architecturing Graphene Interfaces and Functionalized Nanoparticles for Nanotechnology and Bionanoscience”
Thu-09:00-PL



PROF YURY GOGOTSI
DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING,
DREXEL UNIVERSITY, PHILADELPHIA, USA
“2D MXenes - Control of Properties through Surface Chemistry and Atomic Design”
Fri-09:00-PL



PROF MICHELLE SIMMONS
UNIVERSITY OF NEW SOUTH WALES & SILICON QUANTUM COMPUTING,
SYDNEY, AUSTRALIA
“Engineering qubits in silicon with atomic precision”
Fri-10:30-PL



PROF JANUSZ SADOWSKI
INSTITUTE OF PHYSICS, POLISH ACADEMY OF SCIENCES, WARSAW, POLAND
“Transition metal dichalcogenides and topological semimetals grown by molecular beam epitaxy – challenges and opportunities”
Fri-11:30-PL

INVITED SPEAKERS



DR ROSA ARRIGO
UNIVERSITY OF SALFORD, UK
“Carbon dioxide methanation in operando: from thermal catalysis to electrocatalysis”
Tue-10:30-I-CAT



PROF WILLI AUWÄRTER
TU OF MUNICH, GERMANY
“On-Surface Synthesis of Extended and Heteroatom-Doped Polycyclic Molecules”
Wed-10:30-I-MOL



ASSOC PROF SARA BARJA
U. OF BASQUE COUNTRY, SPAIN
“Atomistic Studies of the Electrode-Electrolyte Interface”
Thu-14:00-I-ECH



PROF FELIX BAUMBERGER
U. OF GENEVA, SWITZERLAND
“Imaging moiré mini bands in 2D materials by nano-ARPES”
Wed-16:30-I-2DM



DR JOHANNES BINDER
U. OF WARSAW, POLAND
“Epitaxial Hexagonal Boron Nitride – Growth, Properties and Applications”
Tue-14:00-I-2DM



A. PROF SZYMON GODLEWSKI
JAGIELLONIAN UNIVERSITY, POLAND
“On-Surface Synthesis of Higher Acenes and Nano-graphenes”
Mon-14:00-I-MOL



A. PROF ANTONIJA GRUBIŠIĆ ČABO
UNIVERSITY OF GRONINGEN, NL
“Kinetic In-situ Synthesis (KISS) technique of large-area 2D materials exfoliation”
Mon-14:00-I-AEM



PROF ODED HOD
TEL AVIV UNIVERSITY, ISRAEL
“Layered Ferroelectricity: from Geometric Measures to FirstPrinciples Calculations”
Wed-14:00-I-2DM



PROF KAROLIINA HONKALA
U. OF JYVÄSKYLÄ, FINLAND
“Atomistic understanding catalytic reactions from first principles calculations”
Mon-14:00-I-CAT



PROF HANNES JÓNSSON
UNIVERSITY OF ICELAND, REYKJAVIK, ICELAND
“Rethinking the criterion for layer-by-layer metal growth”
Wed-16:30-I-S&A



PROF PHILIP DC KING
UNIVERSITY OF ST ANDREWS, UK
“Giant valley-Zeeman coupling in the NbS₂ surface layer of V_{1/3}NbS₂”
Mon-16:30-I-2DM



PROF TADAHIRO KOMEDA
TOHOKU UNIVERSITY, JAPAN
“Electron Spin Resonance Measurement of an Adsorbed Single Molecule Magnet Terbium Phthalocyanine (TbPc₂)”
Tue-10:30-I-MOL



PROF ALEXEI KORNY SHEV
IMPERIAL COLLEGE, UK
“Electrochemical Photonics”
Thu-16:30-I-FNS



PROF MARIUSZ KRAWIEC
MARIA CURIE-SKŁODOWSKA UNIVERSITY, POLAND
“Dirac Fermions in Si-Au Heterostructures”
Thu-16:30-I-2DM



ASSIST PROF JOSE LADO
AALTO UNIVERSITY, FINLAND
“Artificial van der Waals multiferroics with twisted two-dimensional materials”
Wed-10:30-I-2DM

KEYNOTE SPEAKERS (MINI-SYMPOSIA)



PROF JULIA LIEBHÄUSER-KUNZE
U. OF INNSBRUCK, AUSTRIA
"The nature of the electrified solid/liquid interface during CO₂ and water electro-activation"
Thu-10:30-I-ECH



DR ANDREA LOCATELLI
ELETTRA SINCROTRONE, ITALY
"Magnetism in graphene capped ultra-thin cobalt"
Tue-10:30-I-MAG



ASSOC PROF LINDSAY MERTE
MALMÖ UNIVERSITY, SWEDEN
"Oxide formation and structure at platinum-tin alloy surfaces"
Mon-14:00-I-OXY



PROF YOSHITADA MORIKAWA
OSAKA UNIVERSITY, JAPAN
"Machine Learning Molecular Dynamics Simulation of CO-driven Formation of Cu Clusters on Cu(111) Surface"
Tue-14:00-I-CAT



PROF MICHAEL MORRIS
TRINITY COLLEGE, DUBLIN, IRELAND
"Surface engineering of surfaces using polymer brushes"
Thu-14:00-I-FNS



DR RÉMY PAWLAK
UNIVERSITY OF BASEL, SWITZERLAND
"Probing charge-state, spin and vibrational excitations of radical molecules by low temperature scanning probe microscopy"
Thu-10:30-I-MOL



PROF ROSSITZA PENTCHEVA
U. DUISBURG-ESSEN, GERMANY
"Role of the surface orientation, termination and transformations on the OER activity of spinel and perovskite anode materials"
Tue-10:30-I-OXY



PROF ZBIGNIEW POSTAWA
JAGIELLONIAN UNIVERSITY, POLAND
"Processes Stimulated in Organic Samples by Cluster Projectile Bombardment"
Mon-16:30-I-HSI



DR CHRISTIAN RODENBÜCHER
FORSCHUNGSZENTRUM, JÜLICH, GERMANY
"Preferential reduction of extended defects in perovskite surfaces"
Mon-10:30-I-OXY



PROF CHRISTOPH TEGENKAMP
TU CHEMNITZ FÜR PHYSIK, GERMANY
"Towards epitaxial graphene-based quantum materials"
Mon-10:30-I-2DM



PROF WULF WULFHEKEL
KIT KARLSRUHE, GERMANY
"Tripodal molecules as switches, rotors and single photon sources"
Mon-10:30-I-MOL

Code	Full Session Name
2DM	2D Materials & Layered Materials
AEM	Advances in Experimental Methods
ATM	Advances in Theoretical Methods
CAT	Catalysis
ECH	Electrochemistry on Surfaces
ENM	Energy Materials
FNS	Functional Surface Nanostructures, Plasmonics, and Sensors
ISI	Ion Surface Interactions
MAG	Magnetism
OPN	Optical Properties at the Nanoscale
MOL	Organic Molecules & Molecular Architectures on Surfaces
OXY	Oxide Surfaces
S&A	Surfaces & Their Applications
WES	Water & Environmental Surfaces

PL	Plenary
I	Invited
K	Keynote
F	Featured (Mini-Symposia)
O	Oral contributed
PP	Poster



PROF DOMENICO DI SANTE
U. OF BOLOGNA, ITALY
"The Orbital Angular Momentum to shed light onto the Topology of Quantum Materials"
Thu-10:30-K-MS07



DR STEFAN FACSKO
INSTITUTE OF ION BEAM PHYSICS AND MATERIALS RESEARCH, HELMOLTZ-ZENTRUM DRESDEN-ROSSENDORF, GERMANY
"Emergence of nanostructures and nanopatterns under ion induced non-equilibrium conditions"
Mon-14:00-K-MS03



PROF DR LIV HORNEKÆR
AARHUS UNIVERSITY, DENMARK
"Interstellar Catalysis – a Route to Molecular Complexity in Space"
Mon-16:30-K-MS01



PROF DR ANGELIKA KÜHNLE
UNIVERSITY BIELEFELD, GERMANY
"Atomic-resolution imaging at mineral-water interfaces"
Wed-14:00-K-MS14



PROF KHALED MAHMOUD
QATAR ENVIRONMENT AND ENERGY RESEARCH INSTITUTE, HAMAS BIN KHALIFA UNIVERSITY, QATAR
"Applications of Two-Dimensional Metal Carbides (MXenes) for the removal of emerging contaminants from water"
Thu-10:30-K-MS04



PROF DR CLAUDINE NOGUERA
INSTITUT DES NANOSCIENCES DE PARIS, CNRS, SORBONNE UNIVERSITÉ, FRANCE
"Stability and mixing behavior of vanadium-iron oxide monolayers on Pt(111) and Ru(0001) substrates"
Wed-16:30-K-MS02



PD DR CHRISTIAN PAPP
FRIEDERICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG, GERMANY
"Covalent Chemistry of small molecules on supported 2D Materials"
Thu-14:00-K-MS02



PROF DR ANTONIO POLIMENI
SAPIENZA UNIVERSITY OF ROME, ITALY
"Heterostructuring in mechanically deformed van der Waals materials"
Thu-10:30-K-MS05



PROF DR TALAT S. RAHMAN
UNIVERSITY OF CENTRAL FLORIDA, USA
"Defects in 2D Materials & Single Atoms on Oxide Surfaces: possible catalysts for a sustainable future"
Wed-14:00-K-MS02



TOMMASO A. SALAMONE
SAPIENZA UNIVERSITY OF ROME, ITALY
"Thiol functionalised gold nanoparticles loaded with methotrexate for cancer treatment: synthesis, characterisation, and in vitro studies"
Tue-14:00-K-MS10



PROF DR ZDENĚK SOFER
UNIVERSITY OF CHEMISTRY AND TECHNOLOGY, PRAGUE, CZECH REPUBLIC
"Chemistry of Xenes – 2D silicon and germanium"
Wed-10:30-K-MS06



PROF DR MARTIN STERRER
UNIVERSITY OF GRAZ, AUSTRIA
"Assembly and reactions of porphyrins on oxide thin film surfaces"
Thu-16:30-K-MS02



PROF DR STEFAN TAUTZ
PETER GRÜNBERG INSTITUT, FORSCHUNGSZENTRUM JÜLICH, GERMANY
"Photoemission Orbital Tomography: Imaging Molecular Wave Functions in Reciprocal and Real Space"
Mon-16:30-K-MS01



DR VALENTINE V. VOLOBUEV
INSTITUTE OF PHYSICS, POLISH ACADEMY OF SCIENCES, POLAND
"Photoemission of Topological Material Epilayers Based on IV-VI Semiconductors and α-Sn"
Wed-11:00-K-MS08

FEATURED TALKS (MINI-SYMPOSIA)

DR LIONEL AMIAUD

ISMO, UNIVERSITÉ PARIS-SCALAY, CNRS, FRANCE
"Quantifying non-thermal desorption from molecular ices - Comparative study of photon and electron irradiation in the valence- and core-shell energy ranges"

Tue-14:40-F-MS10

DR DARIO CAMPISI

UNIVERSITY OF STUTTGART, GERMANY
"Super-Oxygenation of Naphthalene: The break-Down Reaction"

Mon-18:10-F-MS01

DR KRZYSZTOF BIENKOWSKI

UNIVERSITY OF WARSAW, POLAND
"Fundamental effect of electrolyte composition over photoelectrochemical processes"

Tue-14:40-F-MS10

EMILIANO BONERA

UNIVERSITÀ DI MILANO-BICOCCA, ITALY
"Optothermal Raman Spectroscopy of 2D materials on metal substrates"

Wed-11:30-F-MS06

PROF DR CHRISTINA BIRKEL

SCHOOL OF MOLECULAR SCIENCES, ARIZONA STATE UNIVERSITY, TEMPE, USA

"Expanding the family of MAX phases: Synthesis of exotic layered solids"

Wed-12:10-F-MS06

PROF DR KERSTI HERMANSSON

UPPSALA UNIVERSITY, SWEDEN
"Water and hydroxides at interfaces – similar and different"

Wed-14:40-F-MS14

RICHARD MEYER

U.S. OFFICE OF NAVAL RESEARCH GLOBAL, PRAGUE, CZECH REPUBLIC

"Funding Opportunities with the U.S. Office of Naval Research"

Tue-16:30-F-ONR

DR PHILIPP RAHE

FACHBEREICH MATHEMATIK/INFORMATIK/PHYSIK, UNIVERSITÄT OSNABRÜCK, OSNABRÜCK, GERMANY
"Water adsorption on the calcite(104)-(2x1) surface"

Wed-15:20-F-MS14

DAVID E. STARR

INSTITUTE FOR SOLAR FUELS, HELMHOLTZ-ZENTRUM BERLIN FÜR MATERIALIEN UND ENERGIE GMBH, BERLIN, GERMANY

"Solid-liquid interfaces studied with synchrotron-based ambient pressure X-ray photoelectron spectroscopy"

Wed-16:30-F-MS14

PROF MAREK KOSMULSKI

LUBLIN UNIVERSITY OF TECHNOLOGY, POLAND
"Gresham's law in pH-dependent surface-charging"

Wed-16:50-F-MS14

DR MAGDALENA BIROWSKA

UNIVERSITY OF WARSAW, WARSAW, POLAND
"Recent Advances in Thermoelectric properties of MXenes-based nanomaterials and beyond"

Thu-11:30-F-MS04



ARTUR RUBINSTEIN BY EDUARDO KOBRA

MINI-SYMPOSIA

This year, ECOSS introduces Mini-Symposia (MS), which are parallel sessions curated and organized by an expert in the field. The MS typically focus on more specialized topics than in the traditional parallel sessions. Several MS talks are labeled as "featured" at the discretion of their organizers. The list of all MS topics and their organizers can be found below. Typically, each MS contains a keynote speaker (35 min + 5 min Q/A) and contributed speakers (15 min + 5 min Q/A) but these times may vary slightly. Refer to the [program](#) for exact presentation duration.

	Topic	Organizer(s)	When
MS01	Surface Astrochemistry	Dario Campisi	Mon 16:30
MS02	Surface Reactions on 2D Materials and Ultrathin Oxide Films	Luca Vattuone Mikołaj Lewandowski	Wed 14:00
MS03	Response of the Surface on the Ions' bombardment: Experiments, Theoretical Models and Simulations	Milena Majkić Dariusz Banaś	Mon 14:00
MS04	MXenes and Related Materials	Agnieszka Jastrzębska	Thu 10:30
MS05	Optical, Vibrational and Magnetic Properties of van der Waals Materials	Maciej Molas	Thu 10:30
MS06	Xenes: Two-Dimensional Artificial Materials	Christian Martella Carlo Grazianetti	Wed 10:30
MS07	Optical Angular Momentum-Based Phenomena in Quantum Materials and Their Surfaces	Maximilian Ünzelmann Michael Schüller	Thu 10:30
MS08	State-of-the-Art ARPES Measurements at Synchrotron	Magdalena Szczepanik Natalia Olszowska	Wed 10:30
MS09	Single-Molecule Devices: Beyond Electronic Transport	Pascal Gehring Jan Mol	Thu 14:00
MS10	Exploring Structure-Properties Correlation in Nanostructured Materials	Sara Cerra	Tue 14:00
MS11	Photoemission Tomography as a Tool for Studying Molecular Interfaces, Applications and Future Perspectives	Giovanni Zamborlini Peter Puschnig	Mon 10:30
MS12	<i>Surfaces in Plasma Catalysis</i>		<i>Cancelled</i>
MS13	Nanostructured Materials for Enhancing Light-Matter Interactions	Piotr Wróbel Tomasz Stefaniuk	Wed 10:30
MS14	Atomic Scale Mineral-Water Interaces	Jan Balajka Johannes Lützenkirchen Chao Zhang	Wed 14:00
MS15	At the Junction between Surface Chemistry and Physics: the Complementary Application of Surface Zeta Potential and Kelvin Probe Force Microscopy	Silvia Spriano Urszula Stachewicz Piotr Warszyński	Tue 10:30



MAP OF THE VENUE

Vienna House by Wyrndham Andel's Lodz
 Ogrodowa 17, 91-065 Łódź

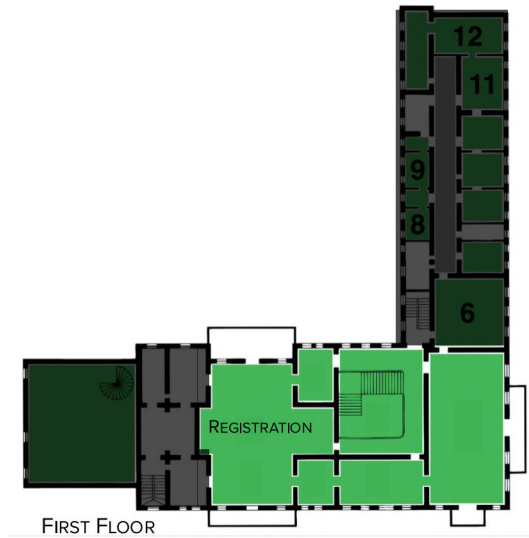
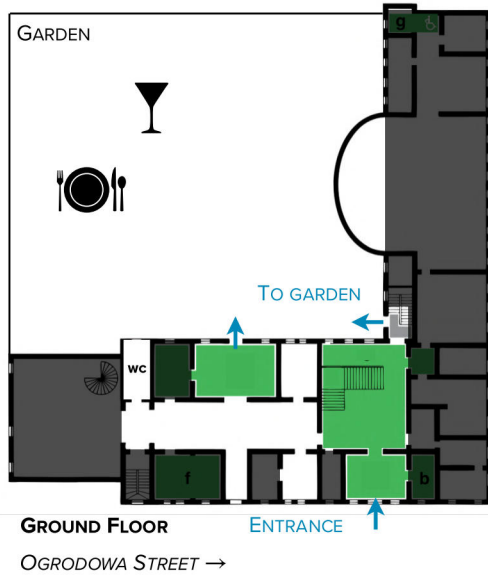
BOOTH NUMBER/EXHIBITOR

- 1) SPECS Surface Nano Analysis GmbH
- 2) PREVAC sp. z o.o.
- 3) Scienta Omicron
- 6) CRYOVAC GmbH
- 12) Kurt J. Lesker Company
- 13) pureions GmbH
- 14) FOCUS GmbH
- 15) Createc Fischer & Co. GmbH
- 16) Allectra GmbH
- 17) SAES Getters S.p.A.

WELCOME RECEPTION

ECOSS-36 invites every participant to join the welcome reception event on the **Sunday August 27th at 18:00** at the **Poznański Palace** (Museum Miasta Łodzi, ul. Ogrodowa 15 – just two minute walking distance from the *Vienna House by Wyndham Andel's*), to come pick up the conference badge, enjoy the wonderful Poznański Palace, grab a refreshment, and meet other ECOSS attendees!

Follow the blue arrow to enter the Poznański Palace from Ogrodowa Street, and feel free to explore the different accessible rooms part of the Museum of the City of Lodz (in green). The conference badges are available on the first floor ('REGISTRATION'). Food and refreshments will be served in the Garden.



WALKING TOURS

On **Tuesday, August 29th at 17:30**, guided walking tours around Lodz will start from the conference venue. Each tour lasts from 60 to 90 minutes. The guided tours will finish at the Arthur Rubinstein Philharmonic before the concert is scheduled.



MANUFATURA

ŁÓDŹ – THE CITY OF INDUSTRIAL HERITAGE

“During the tour we will visit some of the most important attractions and monuments of the city. As its history is deeply connected with the textile industry (Łódź was often called the *Polish Manchester*) we will visit some of the old industrial areas. Among others, the former industrial empire of Izrael Poznański, now the *Manufaktura* complex - a great example of revitalisation and a symbol of Łódź. The history of the Poznański family will be a perfect example to illustrate the process of creating (and losing) fortunes.”



ALEXANDER NEVSKY CATHEDRAL

ŁÓDŹ – THE CITY OF MULTICULTURAL HERITAGE

“During the tour we will visit traces of the local history – the history of the city known as *the city of four cultures*. In the 19th century, Łódź was being built by Poles, Germans, Jews and Russians which resulted in a melting pot of cultures and religions. On the way, we will also visit the biggest and most splendid palace in Łódź, once property of Israel Poznanski, being called *The Louvre of Łódź*. Of course we shall also make a walk on Piotrkowska street, once a business street bustling with life, today a pedestrian zone full of ancient charm.”



PASAŻ RÓZY BY JOANNA RAJKOWSKA

ŁÓDŹ – THE CITY OF ART

“During its history, the city of Łódź was known as a ‘revolutionary’ city. Among other aspects of life, the most striking and visible is the art that was created here. One of the first modern art museums in the world was made in Łódź (just after New York!). Today, we are proud of the local Museum of Arts or *Muzeum Sztuki* (with a branch in the *Manufaktura* complex); but what makes Łódź famous is its local street art. Artists from the whole world come here to create big-scale pieces of art, bringing colour and wonder to pedestrians. On this tour, we will see a number of murals and several special installations (like *The Passage of Rose* created with thousands of small pieces of mirrors).”

CONCERT AT THE ARTHUR RUBINSTEIN PHILHARMONIC

Following the guided walking tours, we invite every participant for a concert generously made possible by Grzegorz Schreiber, the Marshal of the Lodzkie Region. The Arthur Rubinstein Philharmonic (*Filharmonia Łódzka im. Artura Rubinsteina*) is the only concert hall in Europe to be equipped with both a Baroque organ and a Romantic organ (see photo below), fully independent of each other.



Grzegorz Schreiber
MARSHAL
OF THE LODZKIE REGION

The concert will first consist of an introduction of the two unique organs, both historically and musically. A short artistic act will then showcase the sound possibilities of these instruments. In the second part of the event, a string quartet will perform popular tango and film music. The concert will start on **Wednesday August 30th at 20:00**.



ARTHUR RUBINSTEIN PHILHARMONIC - THE TWO ORGANS

GALA DINNER

The gala dinner will take place in the Grand Auditorium (in the same room where plenary sessions are held) at the *Vienna House by Wyndham Andel's*, on **Thursday August 31st at 20:00**. Feel free to inform us at the registration desk if you need to verify, or modify, the diet requirements specified during registration. The winners of the various prizes (see page 12) will be announced during the Gala dinner.



GRAND AUDITORIUM AT THE VIENNA HOUSE

Wednesday August 30						
09:00	Grand Auditorium 4th Floor Plenary Beatrix Rodon Coenya Why is Operating Crucial for the Future of Surface Science? 09:00 - 10:00 Chair: Claudia Negreanu					
10:00	Coffee sponsored by Edwards Vacuum 10:00 - 10:30					
10:30	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Piotr Cyganek	R3 - Silk ENM Energy Materials Chair: Justin Wells	R4 - Damask MS3 X-ray 2D- Dimensional Artificial (Online) Chair: Andreas Oberweide Christian Martala	R5 - Callimene 2 MS13 Nanostructured Materials for Chair: Piotr Wydal	R6 - Velour MS2 State-of-the-Art APRES Measurements and Synthesis Chair: Maciej Chowaniec Magdalena Szczepaniak
11:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Piotr Cyganek	R3 - Silk ENM Energy Materials Chair: Justin Wells	R4 - Damask MS3 X-ray 2D- Dimensional Artificial (Online) Chair: Andreas Oberweide Christian Martala	R5 - Callimene 2 MS13 Nanostructured Materials for Chair: Piotr Wydal	R6 - Velour MS2 State-of-the-Art APRES Measurements and Synthesis Chair: Maciej Chowaniec Magdalena Szczepaniak
12:30	Lunch 12:30 - 14:00					
14:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Piotr Cyganek	R3 - Silk SA Surfaces & Their Applications Chair: Ross Arjige	R4 - Damask MS14 Atomic Scale Mixed Water Interfaces Chair: Jan Bekala	R5 - Callimene 2 MS13 Nanostructured Materials for Chair: Piotr Wydal	R6 - Velour MS2 Surface Science in 2D School Chair: Luca Vezzaro
15:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Piotr Cyganek	R3 - Silk SA Surfaces & Their Applications Chair: Ross Arjige	R4 - Damask MS14 Atomic Scale Mixed Water Interfaces Chair: Jan Bekala	R5 - Callimene 2 MS13 Nanostructured Materials for Chair: Piotr Wydal	R6 - Velour MS2 Surface Science in 2D School Chair: Luca Vezzaro
16:00	Coffee sponsored by Edwards Vacuum 16:00 - 16:30					
16:30	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Piotr Cyganek	R3 - Silk SA Surfaces & Their Applications Chair: Ross Arjige	R4 - Damask MS14 / WES Atomic Scale Chair: Angela Kühnle	R5 - Callimene 2 OPN Optical Properties of the Nanoscale Chair: Marika Selvin	R6 - Velour MS2 Surface Science in 2D School Chair: Mikołaj Lewandowski
17:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Piotr Cyganek	R3 - Silk SA Surfaces & Their Applications Chair: Ross Arjige	R4 - Damask MS14 / WES Atomic Scale Chair: Angela Kühnle	R5 - Callimene 2 OPN Optical Properties of the Nanoscale Chair: Marika Selvin	R6 - Velour MS2 Surface Science in 2D School Chair: Mikołaj Lewandowski
18:30	Poster session 18:30 - 20:00					
18:30	Ground Floor					

Thursday August 31						
09:00	Grand Auditorium 4th Floor Plenary Christina Di Valentin Architecturing Graphene Interlaces and Functionalized Nanoparticles for Nanotechnology and Bioscience 09:00 - 10:00 Chair: Manuel Messen					
10:00	Coffee 10:00 - 10:30					
10:30	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Oleif Hoff	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Tadafumi Komatsu	R3 - Silk MS5 Optical Vibrational and Magnets Properties Chair: Maciej Malin	R4 - Damask ECH Electrochemistry on Surfaces Chair: Edwin Lindgren	R5 - Callimene 2 MS4 Monox and Biased Materials Chair: Agneszka Jędrzejko	R6 - Velour MS7 Oxidized Graphene Nanocomposites Based Chair: Melanie Diefenbacher
11:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Oleif Hoff	R2 - Satin 2 MCL Organic Molecules & Molecular Architectures on Surfaces Chair: Tadafumi Komatsu	R3 - Silk MS5 Optical Vibrational and Magnets Properties Chair: Maciej Malin	R4 - Damask ECH Electrochemistry on Surfaces Chair: Edwin Lindgren	R5 - Callimene 2 MS4 Monox and Biased Materials Chair: Agneszka Jędrzejko	R6 - Velour MS7 Oxidized Graphene Nanocomposites Based Chair: Melanie Diefenbacher
12:30	Lunch 12:30 - 14:00					
14:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 FNS Functional Surface Nanostructures, Resonance, and Interfaces Chair: Carole Bittencourt	R3 - Silk SA Surfaces & Their Applications Chair: Justin Wells	R4 - Damask ECH Electrochemistry on Surfaces Chair: Julia Kuczek-Rak	R5 - Callimene 2 MS9 Single Molecular Devices: Beyond Electronic Transport Chair: Piotr Gajdek	R6 - Velour MS2 Surface Reaction on 2D Materials Chair: Luca Vezzaro
15:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 FNS Functional Surface Nanostructures, Resonance, and Interfaces Chair: Carole Bittencourt	R3 - Silk SA Surfaces & Their Applications Chair: Justin Wells	R4 - Damask ECH Electrochemistry on Surfaces Chair: Julia Kuczek-Rak	R5 - Callimene 2 MS9 Single Molecular Devices: Beyond Electronic Transport Chair: Piotr Gajdek	R6 - Velour MS2 Surface Reaction on 2D Materials Chair: Luca Vezzaro
16:00	Coffee 16:00 - 16:30					
16:30	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 FNS Functional Surface Nanostructures, Resonance, and Interfaces Chair: Carole Bittencourt	R3 - Silk SA Surfaces & Their Applications Chair: Justin Wells	R4 - Damask ECH Electrochemistry on Surfaces Chair: Julia Kuczek-Rak	R5 - Callimene 2 MS9 Single Molecular Devices: Beyond Electronic Transport Chair: Piotr Gajdek	R6 - Velour MS2 Surface Reaction on 2D Materials Chair: Luca Vezzaro
17:00	R1 - Satin 1 ZDM 2D Materials & Layered Materials Chair: Antonio Palmieri	R2 - Satin 2 FNS Functional Surface Nanostructures, Resonance, and Interfaces Chair: Carole Bittencourt	R3 - Silk SA Surfaces & Their Applications Chair: Justin Wells	R4 - Damask ECH Electrochemistry on Surfaces Chair: Julia Kuczek-Rak	R5 - Callimene 2 MS9 Single Molecular Devices: Beyond Electronic Transport Chair: Piotr Gajdek	R6 - Velour MS2 Surface Reaction on 2D Materials Chair: Luca Vezzaro
18:30	Break 18:30 - 20:00					
18:30	Ground Floor					

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Friday September 1

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10:00		Coffee 10:00 - 10:30
10:30	Grand Auditorium 4th Floor	Plenary Michelle Simmons Engineering qubits in silicon with atomic precision 10:30 - 11:30 Chair: Paweł Kowalczyk
11:30	Grand Auditorium 4th Floor	Plenary Janusz Sadowski Transition metal dichalcogenides and topological semimetals grown by molecular beam epitaxy - challenges and opportunities 11:30 - 12:30
12:30	Grand Auditorium 4th Floor	Closing 12:30 - 12:45

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Hinaut, A.	Wed-15:00-O-2DM
Hingerl, K.	Wed-17:30-O-S&A

Hochó, A.	Wed-12:10-O-MOL
Hod, O.	Wed-14:00-I-2DM
Holleufer, S.F.	Mon-17:55-O-MS01
Homma, K.	Thu-14:00-O-MS09 Mon-PP-47
Honkala, K.	Mon-14:00-I-CAT
Hornekær, L.	Mon-16:30-K-MS01 Mon-17:55-O-MS01
Hosomi, K.	Wed-PP-7
Hou, K.	Mon-PP-18
Huang, Y.	Thu-11:50-O-MS04
Husic, I.	Thu-15:00-O-S&A
Hussain, H.	Mon-PP-35
I	
Ibarra-Barreno, C.M.	Tue-15:00-O-MOL
Idczak, K.	Mon-14:00-O-2DM
Ihm, K.	Mon-15:20-O-AEM Thu-17:10-O-S&A
Ivanova, T.	Tue-15:40-O-OXY
Ivanovski, V.	Mon-PP-12 Wed-PP-31
Iwański, J.	Tue-14:40-O-2DM Wed-17:10-O-2DM Thu-12:10-O-MS05
J	
Jahangiri, H.	Tue-11:30-O-CAT
Jakub, Z.	Tue-15:20-O-MOL
Jalbä, R.	Wed-PP-32
Jamaati Kenari, A.	Wed-14:20-O-S&A
Jastrzębska, A.	Wed-15:40-O-2DM Thu-11:30-F-MS04
Jover Arrate, Ó.J.A.	Tue-15:40-O-MOL
Jónsson, H.	Wed-16:30-I-S&A
K	
Kaku, M.	Mon-PP-14
Kalinovych, V.	Tue-14:00-O-MOL
Kamiński, M.	Wed-PP-42
Kamiński, W.	Wed-PP-17
Kaneko, S.	Thu-14:00-O-MS09 Mon-PP-47
Kański, M.	Mon-16:30-I-ISI Mon-17:10-O-ISI Mon-17:30-O-ISI

Karmakar, A.	Tue-15:40-O-2DM
Katano, S.	Mon-PP-9
Khalakhan, I.	Thu-11:30-O-ECH Thu-17:10-O-FNS
Khaled, M.	Thu-10:30-K-MS04
Kim, H.S.	Mon-17:30-O-MOL Wed-PP-20
Kim, J.S.	Mon-17:30-O-MOL Mon-PP-49
Kim, K.	Mon-17:30-O-MOL
Kim, Y.K.	Thu-11:10-O-MOL Thu-17:30-O-ECH Mon-PP-25
King, P.	Mon-16:30-I-2DM
Kipczak, Ł.	Thu-11:50-O-MS05 Thu-14:00-O-2DM
Kisiel, M.	Tue-15:40-O-MS10
Knapczyk-Korczak, J.	Tue-11:10-O-MS15
Knudsen, J.	Tue-14:40-O-CAT
Kobayashi, K.	Mon-PP-1
Kobayashi, Y.	Thu-17:30-O-ECH
Kochanowska, O.	Wed-11:50-O-MS13
Kołodziej, J.	Wed-10:30-O-MS08
Komeda, T.	Tue-10:30-I-MOL
Kordek, A.	Mon-PP-22 Wed-PP-21
Korneluk, A.	Wed-11:30-O-MS13
Kornyshev, A.A.	Thu-16:30-I-FNS
Koshida, H.	Wed-17:10-O-WES
Kosmulski, M.	Wed-16:50-F-MS14
Kowalczyk, P.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Thu-17:30-O-ATM Mon-PP-52
Kowalewska, K.	Wed-PP-33
Kozłowski, W.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Mon-PP-52
Krasucki, G.	Wed-PP-50
Kraushofer, F.	Mon-12:10-O-CAT
Krawiec, M.	Mon-11:10-O-2DM Thu-16:30-I-2DM Wed-PP-8

Krempiński, P.	Mon-PP-38 Mon-PP-52
Krok, F.	Tue-10:50-O-2DM
Krukowski, P.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Wed-14:00-O-MOL Wed-15:00-O-MOL Thu-17:30-O-ATM Mon-PP-52
Kubacki, J.	Mon-PP-46
Kubitza, N.	Thu-12:10-O-MS04
Kühnle, A.	Wed-14:00-K-MS14 Wed-15:00-O-MS14 Wed-15:20-F-MS14 Wed-15:40-O-MS14
Kulka, T.M.	Mon-17:50-O-2DM
Kunze-Liebhäuser, J.	Thu-10:30-I-ECH
Kurowska, A.	Mon-PP-21
Kuwahara, Y.	Wed-14:00-O-MOL Wed-14:20-O-MOL Wed-15:00-O-MOL
Kwiecień, K.	Mon-PP-6
Lado, J.	Wed-10:30-I-2DM
Lambrick, S.M.	Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Thu-17:30-O-ATM Mon-PP-52
Le Ster, M.	Mon-15:25-O-MS03
Léchevin, T.	Wed-PP-9
Lee, H.	Mon-PP-23 Wed-PP-20
Leino, A.	Mon-15:25-O-MS03
Lewandowski, M.	Tue-11:10-O-2DM Thu-15:00-O-MS02 Thu-17:50-O-FNS
Locatelli, A.	Tue-10:30-I-MAG Thu-14:20-O-2DM
Longo, F.	Thu-16:30-O-ECH
Lu, J.	Mon-PP-15 Mon-PP-16
Lu, S.	Mon-15:00-O-AEM
Lundgren, E.	Mon-10:50-O-CAT Thu-14:40-O-ECH
Luo, Y.	Wed-17:30-O-OPN

J	
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Lutsyk, I.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Thu-17:30-O-ATM Mon-PP-52
Łapiński, M.	Thu-15:40-O-FNS
M	
Ma, T.	Mon-15:00-O-CAT
Machata, P.	Wed-11:30-O-2DM
Magdziarz, S.A.	Wed-15:00-O-S&A
Majkić, M.	Mon-14:55-O-MS03 Mon-15:40-O-MS03 Mon-PP-51
Makarova, A.	Mon-10:50-O-CAT Thu-17:50-O-2DM
Man (Traistaru), I.	Thu-16:50-O-ECH
Marszał, A.	Mon-PP-13
Martella, C.	Wed-11:10-O-MS06 Wed-11:30-F-MS06
Martínez, E.A.	Mon-PP-44
Martin-Jimenez, A.	Wed-16:50-O-OPN Wed-17:30-O-OPN
Masilamani Leo, S.S.	Thu-12:10-O-2DM Wed-PP-3
Mateos Roncero, D.	Wed-17:50-O-OPN
McCormack, O.	Thu-15:00-O-FNS
McGuinness, C.	Wed-PP-14
Mehl, S.	Tue-14:00-O-MOL Tue-14:20-O-MOL
Menyhard, M.	Mon-18:10-O-2DM
Mercurio, M.	Tue-15:25-O-MS10
Merte, L.R.	Mon-14:00-I-OXY Wed-10:30-O-PCAM Thu-14:40-O-ECH
Meyer, R.	Tue-16:30-F-ONR
Michaut, X.	Mon-17:25-O-MS01 Mon-17:40-F-MS01
Mishra, V.	Wed-14:40-O-MOL
Młyniczak, E.	Wed-11:30-O-MS08 Mon-PP-34
Mohammadpour, A.	Mon-11:30-O-CAT
Mohammed Idris Bakhit, A.	Thu-17:50-O-2DM
Mohrhusen, L.	Thu-17:10-O-MS02 Wed-PP-18 Tue-15:40-O-2DM
Molas, M.	Thu-11:50-O-MS05 Thu-14:00-O-2DM Wed-PP-50

Möllers, P.V.	Wed-11:10-O-ENM
Molodtsova, O.	Tue-11:30-O-MOL Mon-PP-20
Moradmand, S.	Mon-PP-30
Morikawa, Y.	Tue-14:00-I-CAT Wed-14:00-O-MOL Wed-15:00-O-MOL Thu-18:10-O-2DM
Morris, M.	Thu-14:00-I-FNS
Mouhib, T.	Mon-17:10-O-ISI
Mukherjee, D.	Wed-PP-46
Musolf, P.	Mon-PP-31
N	
Nadolska, A.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Thu-17:30-O-ATM Mon-PP-52
Nakamura, J.	Wed-15:20-O-2DM
Nara, J.	Wed-PP-6
Naseri, S.	Wed-16:30-O-MOL
Naumov, A.	Thu-10:30-O-2DM
Neuhaus, L.	Mon-PP-19
Nicolaev, A.	0
Nieckarz, D.	Wed-16:50-O-MOL Mon-PP-15
Nijhuis, C.	Tue-09:00-PL
Nita, P.	Mon-17:10-O-AEM Tue-11:30-O-MAG
Noguera, C.	Wed-16:30-K-MS02 Wed-17:50-O-MS02
Noh, S.	Mon-17:30-O-MOL
O	
Okura, H.	Mon-PP-48
Olszowska, N.	Wed-10:30-O-MS08 Wed-18:10-O-2DM Mon-PP-7
Ostermann, M.	Thu-15:20-O-S&A
Otero, R.	Tue-15:40-O-MOL Wed-16:30-O-OPN Wed-16:50-O-OPN
Óvári, L.	Tue-15:20-O-2DM
P	
Palotás, K.	Tue-11:50-O-OXY
Pan, W.	Mon-12:10-O-MOL

Papp, C.	Mon-15:40-O-MOL Thu-14:00-K-MS02 Mon-PP-3 Wed-PP-24
Pareras Niell, G.	Mon-17:10-O-MS01
Pawlak, R.	Thu-10:30-I-MOL
Pawlak, W.	Mon-PP-13 Mon-PP-40
Pentcheva, R.	Tue-10:30-I-OXY
Perez Penco, E.	Mon-11:50-O-CAT Mon-PP-32
Persichetti, L.	Tue-11:50-O-MOL Tue-12:10-O-2DM Tue-14:40-O-MOL Mon-PP-2
Peter, R.	Mon-PP-26
Pham, V.N.	Mon-PP-23 Wed-PP-20
Pisarek, M.	Mon-PP-42
Piskorski, M.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Mon-PP-52
Piworiski, I.	Mon-PP-12 Wed-PP-45
Planer, J.	Tue-15:20-O-MOL Wed-17:10-O-MOL Thu-11:30-O-MOL
Pleines, L.	Mon-15:20-O-OXY
Plucinski, L.	Wed-12:10-O-MS08 Thu-12:10-O-MS07
Płacheta, K.	Wed-PP-35
Polak, P.	Tue-14:00-O-OXY
Polimeni, A.	Thu-10:30-K-MS05
Polus, K.	Tue-11:10-O-CAT Thu-17:10-O-ECH Mon-PP-18
Postawa, Z.	Mon-16:30-I-ISI Mon-17:10-O-ISI Mon-17:30-O-ISI
Presel, F.	Tue-15:00-O-CAT Thu-16:30-K-MS02
Prevot, G.	Mon-14:20-O-2DM
Przybyła, A.	Tue-14:40-O-OXY
Przybysz, P.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Thu-17:30-O-ATM Mon-PP-52
Przychodnia, M.	Tue-14:40-O-MAG Thu-15:20-O-FNS

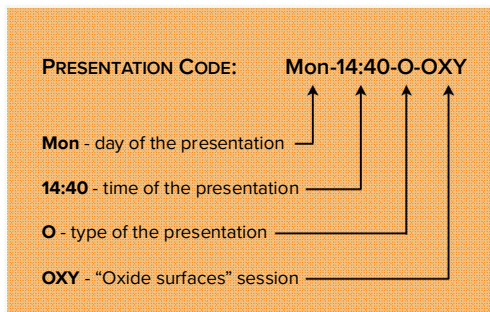
R	
Raczyński, J.	Mon-15:00-O-2DM Thu-15:20-O-FNS Mon-PP-6
Rahe, P.	Wed-15:20-F-MS14
Rahman, T.	Wed-14:00-K-MS02
Reddig, W.	Tue-15:00-O-2DM Thu-15:20-O-FNS
Rodenbücher, C.	Mon-10:30-I-OXY Mon-PP-46
Rodriguez Gonzalez, S.	Thu-14:20-O-MS09
Rogala, M.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Thu-17:30-O-ATM Mon-PP-52
Roldan Cuenya, B.	Wed-09:00-PL Wed-14:00-O-PCAM
Romain, F.	Thu-14:40-O-S&A
Romaniak, G.	Thu-15:20-O-2DM
Rosławska, A.	Tue-11:10-O-MOL
Rothhardt, D.	Mon-PP-5
Ryan, P.	Wed-17:50-O-WES
Ryś, W.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Mon-PP-52
S	
Sabath, F.	Wed-15:00-O-MS14
Sacchi, M.	Thu-15:20-O-MS02 Thu-15:40-O-MS02
Sadowski, J.	Fri-11:30-O-PL Mon-PP-7
Sala, A.	Thu-14:20-O-2DM
Salamone, T.	Tue-14:00-K-MS10
Sánchez-Loredo, M.G.	Tue-14:55-O-MS10
Sarkar, S.	Mon-11:30-O-MOL
Sartori, A.	Wed-PP-25
Sbai, A.	Mon-PP-28
Schmidt, P.P.	Wed-17:50-O-S&A
Schröder, C.	Mon-11:10-O-CAT
Schusser, J.	Thu-11:50-O-MS07 Thu-12:10-O-MS07
Sequeira, M.	Mon-15:10-O-MS03

Setvin, M.	Mon-11:10-O-OXY Mon-11:30-O-OXY Tue-15:20-O-CAT
Sharifahmadian, O.	Thu-14:20-O-S&A
Shibuta, M.	Wed-PP-15
Shin, H.	Mon-17:30-O-MOL
Shuttleworth, I.	Wed-PP-28
Sia, R.C.	Thu-17:10-O-ATM
Siebert, A.	Wed-10:50-O-ENM
Sierda, E.	Wed-17:30-O-MOL
Sim, E.	Thu-17:10-O-S&A
Simmons, M.	Fri-10:30-PL
Simões e Silva, W.	Tue-11:10-O-OXY Mon-PP-10
Sjö, H.	Mon-16:50-O-AEM
Smarzewska, S.	Wed-PP-31
Smyczek, J.	Mon-11:10-O-CAT Mon-PP-41
Sobota, M.	Tue-15:00-O-OXY
Sofer, Z.	Wed-10:30-K-MS06 Thu-11:10-F-MS04
Son, H.J.	Thu-17:30-O-S&A
Sovizi, S.	Tue-11:30-O-2DM
Spiridis, N.	Wed-11:30-O-MS08 Wed-17:30-O-MS02 Mon-PP-34 Mon-PP-43 Wed-PP-12
Spriano, S.	Tue-10:50-O-MS15
Sroka, M.	Wed-14:40-O-S&A
Stadtmüller, B.	Mon-11:10-O-MS11 Mon-11:30-O-MS11 Mon-11:50-O-MS11
Starr, D.E.	Wed-16:30-F-MS14
Stefaniuk, T.	Wed-11:30-O-MS13
Sterrer, M.	Mon-12:10-O-MS11 Tue-15:00-O-CAT Thu-16:30-K-MS02
Stępniać-Dybala, A.	Mon-11:10-O-2DM Thu-16:30-I-2DM Wed-PP-8
Su, W.	Mon-15:00-O-AEM
Suchodół, M.	Mon-PP-24
Sudhama, A.	Mon-PP-50
Sun, Z.	Thu-10:50-O-2DM

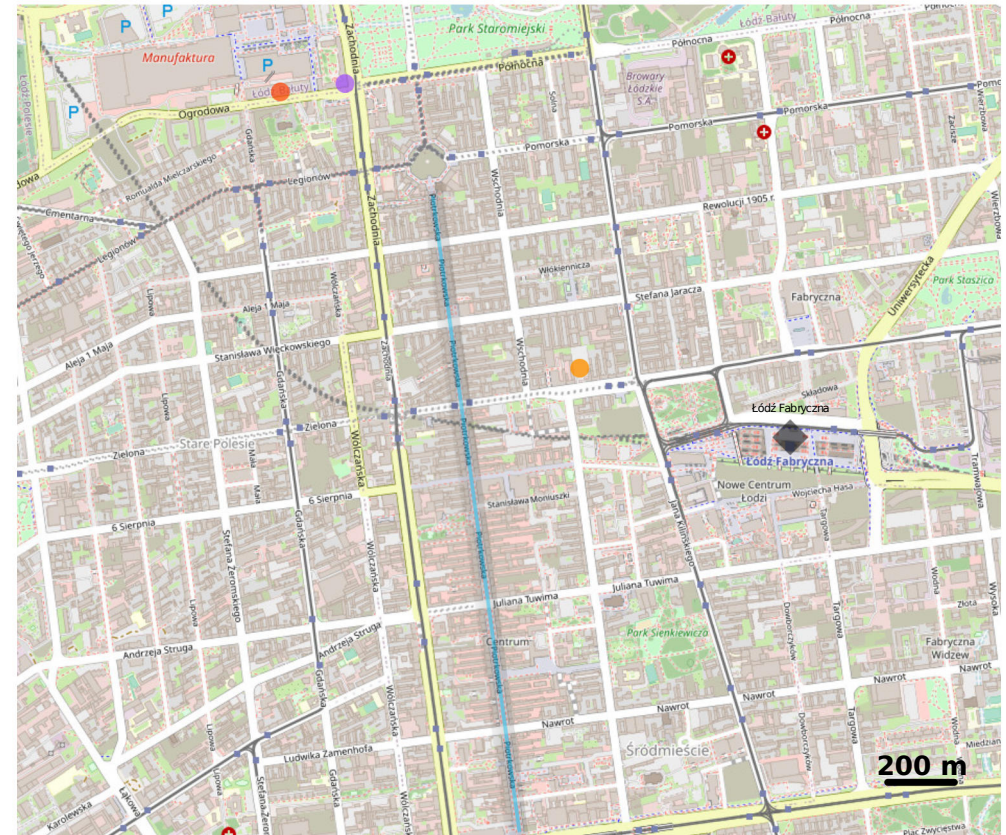
Szabelski, P.	Wed-17:50-O-MOL Mon-PP-15
Szałowski, K.	Mon-15:20-O-2DM Tue-15:00-O-MAG Mon-PP-38
Szczefanowicz, B.	Wed-14:40-O-2DM
Szczepanik, M.	Wed-10:30-O-MS08 Wed-11:30-O-MS08 Wed-12:10-O-MS08 Thu-15:40-O-2DM
Szenti, I.	Mon-15:40-O-CAT
Szkudlarek, A.	Wed-10:50-O-MS13
Szozkiewicz, R.	Mon-14:40-O-2DM Tue-11:30-O-2DM
Szramowski, H.	Mon-PP-29
Szymańska, A.	Wed-11:10-O-MS13 Wed-11:50-O-MS13
Szymczak, P.	Wed-11:50-O-MOL Mon-PP-8
Ślęczkowski, P.	Wed-15:20-O-MOL
T	
Takezawa, S.	Wed-PP-49
Tamtögl, A.	Thu-15:40-O-MS02
Tanaka, S.	Thu-11:50-O-2DM
Tanaka, S.	Wed-PP-16
Tanemura, M.	Mon-17:50-O-ISI
Taner camci, M.	Thu-15:00-O-ECH
Tarnawski, T.	Wed-PP-30
Tataczak, P.	Tue-14:40-O-2DM Wed-17:10-O-2DM Thu-12:10-O-MS05
Tautz, S.	Mon-10:30-K-MS11
Tegenkamp, C.	Mon-10:30-I-2DM
Teichert, C.	Tue-10:30-O-2DM
Tenorio, M.	Wed-11:30-O-MOL
Thirugnanasambandam Masilamani, M.P.	Wed-PP-2
Tinkamanyire, F.	Tue-11:10-O-CAT
Toczek, K.	Mon-12:10-O-OXY Mon-15:20-O-2DM Mon-17:30-O-AEM Thu-15:40-O-2DM Thu-17:30-O-ATM Mon-PP-52
Tonelli, A.	Tue-11:50-O-2DM Wed-12:10-O-2DM
Torres-Vila, P.	Mon-PP-37

Trouton, M.	Wed-PP-38
Tsukahara, N.	Thu-11:50-O-MOL
Tumino, F.	Wed-PP-11
U	
Ünzelmann, M.	Thu-11:50-O-MS07
V	
Vařeka, K.	Mon-15:20-O-CAT
Vattuone, L.	Thu-15:00-O-MS02
Vesel, A.	Mon-PP-33
Vestergaard, A.	Thu-11:50-O-ECH
Virchenko, V.	Wed-PP-23
Volobuiev, V.	Wed-11:00-K-MS08
Volosheniuk, S.	Thu-14:40-O-MS09
von Klitzing, K.	Mon-09:00-PL
Vorochta, M.	Thu-17:10-O-FNS
W	
Wachowicz, E.	Mon-14:00-O-2DM Wed-11:50-O-2DM
Wadge, A.	Wed-11:50-O-MS08
Walczak, L.	Wed-PP-13
Walden, R.	Wed-11:30-O-ENM
Waleska-Wellnhofer, N.	Mon-15:40-O-MOL Mon-PP-3 Wed-PP-24
Wang, X.	Thu-17:30-O-2DM
Warda, K.	Mon-PP-39 Wed-PP-47
Warszyński, P.	Tue-10:30-O-MS15
Weinert, T.	Wed-17:10-O-S&A
Weiss, T.	Mon-11:10-O-MOL
Wilczyński, K.	Thu-11:30-O-MS05
Winter, L.	Mon-14:40-O-CAT
Wolanin, B.	Mon-17:10-O-AEM
Wrana, D.	Mon-11:10-O-OXY Mon-11:30-O-OXY
Wróbel, P.	Wed-11:10-O-MS13 Wed-11:50-O-MS13
Wu, X.	Wed-18:10-O-MOL
Wührl, F.	Wed-18:10-O-MS02
Wulfhchel, W.	Mon-10:30-I-MOL

Wysmołek, A.	Tue-14:40-O-2DM Wed-17:10-O-2DM Thu-12:10-O-MS05
X	
Xu, W.	Mon-15:20-O-MOL
Y	
Yamane, A.	Wed-PP-41
Yang, J.	Thu-17:30-O-MS02
Yao, M.	Thu-11:30-O-MS07
Ye, C.	Wed-14:00-O-MOL Wed-15:00-O-MOL
Z	
Zaier, R.	Wed-17:10-O-OPN
Zaraska, L.	Thu-15:40-O-ECH Mon-PP-42
Zawadziński, K.	Wed-PP-22
Zawieja-Bartosińska, I.	Wed-PP-29
Zdyb, A.	Wed-PP-51
Zdyb, R.	Mon-11:10-O-2DM Mon-17:30-O-2DM Thu-16:30-I-2DM Wed-PP-4
Zheng, F.	Mon-PP-15 Mon-PP-16
Zuzak, R.	Mon-15:00-O-MOL



CITY MAP



- **Conference Venue** - Vienna House Andel's
- **Welcome Reception** - Poznański PaLace, Museum of the City of Łódź
- **Concert** - Arthur Rubinstein Philharmonic Concert Hall
- | **Piotrkowska Street**

