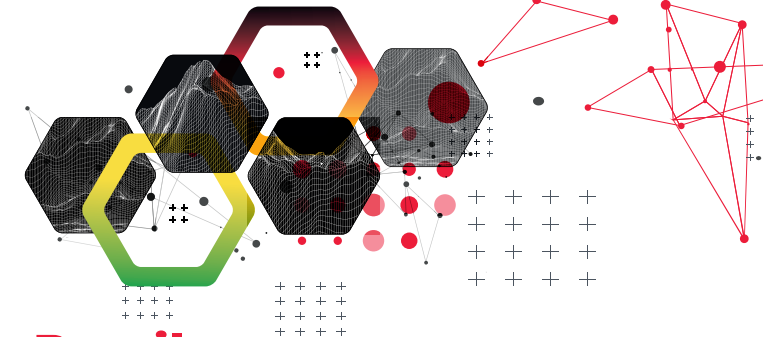


11th Brazilian German Workshop on Applied Surface Science



Program 11th BGW 2022 Manaus, Brazil

	TUESDAY, 19th	WEDNESDAY, 20th	THURSDAY 21st	FRIDAY, 22nd	SATURDAY, 23rd	SUNDAY, 24th
7:30 - 8:20		REGISTRATION				Check-out
8:20 - 8:30		Opening Remarks				
8:30 - 9:00		Lecture 1 - HANS-JOACHIM FREUND	Lecture 9 - FELIPE CRASTO DE LIMA	Lecture 15 - HANS-PETER STEINRÜCK	Lecture 18 - ANTONIO GOMES	
9:00 - 9:30		Lecture 2 - CAUÊ RIBEIRO	Lecture 10 - THOMAS HEINE	Lecture 16 - ABNER SIERVO	Lecture 19 - SABINE MAIER	
9:30 - 10:00		Coffee break	Coffee break	Coffee break	Coffee break	
10:00 - 10:30		Lecture 3 - JÖRG LIBUDA	Lecture 11 - ANTONIO AZEVEDO	Lecture 17 - MARTIN STERRER	Lecture 20 - SWETLANA SCHAUERMANN	
10:30 - 11:30		Oral 1 - LEONARD G. GURA Oral 2 - INGRID D. BARCELOS Oral 3 - MAX NIEDERREITER	Oral 7 - MILTON A. TUMELERO Oral 8 - ANDREAS TERFORT Oral 9 - ALEXANDRE COTTA	Oral 10 - SIMON JAEKEL Oral 11 - FLORIAN SCHWARZ Oral 12 - EVA FREIBERGER	Oral 13 - LUIZ ALBANO Oral 14 - CECILIA SILVA Oral 15 - HICHAM IDRIS	
11:40 - 14:00	Arrival	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 - 14:30		Lecture 4 - ALDO ZARBIN	Lecture 12 - PETRA TEGEDER	Optional Tour in Manaus	Lecture 21 - AXEL GROß	Departure
14:30 - 15:00		Lecture 5 - CHRISTOF WÖLL	Lecture 13 - CARLOS GRAEFF		Lecture 22 - UBIRAJARA PEREIRA	
15:00 - 15:30		Coffee break	Lecture 14 - NARCIZO DE SOUZA-NETO		Coffee break	
15:30 - 15:40		Oral 4 - SERGIO H. DOMINGUES Oral 5 - NOAH COELESTIN AI SHAMERY Oral 6 - LEANDRO MERCES	Poster presentations (3 min each)		Oral 16 - ERIC SAUTER Oral 17 - NATALIE WALESKA Oral 18 - NILS BRINKMANN Oral 19 - TATIANA PARRA VELLO	
15:40 - 16:10			Poster section			
16:10 - 16:40						
16:40 - 17:10		Lecture 6 - LUIZ GUSTAVO CANÇADO				
17:10 - 17:40		Lecture 7 - KATHARINA AL-SHAMERY				
17:40 - 18:10		Lecture 8 - DANIEL UGARTE				
19:00	Dinner	Dinner	Dinner	Thematic Dinner	Dinner	

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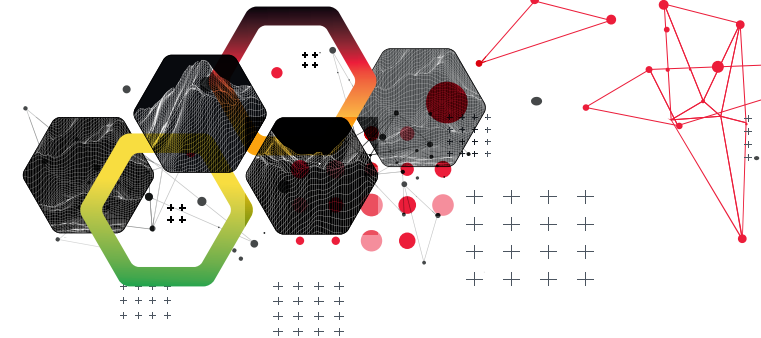
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Lectures – 30 min each

	NAME	TITLE
Lecture 1	HANS-JOACHIM FREUND	Model Systems for Heterogeneous Catalysts at the Atomic Scale
Lecture 2	CAUÊ RIBEIRO	Towards the Application of Semiconducting Materials as Photo(electro)catalysts for Energy Conversion
Lecture 3	JÖRG LIBUDA	Model Interface in Catalysis and Materials Science: From Surface to the Electrified Solid/Liquid Interface
Lecture 4	ALDO ZARBIN	Preparing and Processing Multicomponent Materials at Liquid/Liquid Interfaces: Thin films for Enlarging Technological Applications
Lecture 5	CHRISTOF WÖLL	Reticular networks supported on solid substrates: Chances and Challenges
Lecture 6	LUIZ G. CANÇADO	Metrological Framework for Quality Control of Mass-Produced Graphene
Lecture 7	KATHARINA AL-SHAMERY	How to Use Nanoscience for Renewable Energy Conversion
Lecture 8	DANIEL UGARTE	Quantitative Structural Characterization of Nanomaterials by Precession e-Diffraction
Lecture 9	FELIPE CRASTO DE LIMA	The robustness of Topological Insulators
Lecture 10	THOMAS HEINE	The potential of 2D polymers for light harvesting applications
Lecture 11	ANTONIO AZEVEDO	Investigation Of Spin and Orbital Hall Effects in Heterostructures
Lecture 12	PETRA TEGEDER	Electronic properties of interfaces with n-heteropolycyclic molecules
Lecture 13	CARLOS GRAEFF	From Nature to Organic (Bio)electronics: Melanin-Inspired Materials
Lecture 14	NARCIZO DE SOUZA-NETO	Condensed matter at Sirius, the new Brazilian synchrotron
Lecture 15	HANS-PETER STEINRÜCK	The Surface Science of Ionic Liquids
Lecture 16	ABNER SIERVO	On-Surface Synthesis of New Functional 2D Materials: A Molecular “Lego”
Lecture 17	MARTIN STERRER	Model iron oxide thin film surfaces at the solid-liquid interface
Lecture 18	ANTONIO GOMES	2D Materials Under High Pressures: Probing Strain Transfer and Adhesion
Lecture 19	SABINE MAIER	On-Surface Synthesis: A Bottom-Up Strategy to Low-Dimensional Carbon-Structures
Lecture 20	SWETLANA SCHAUERMANN	Understanding Ligand-Directed Heterogeneous Catalysis: When the Dynamically Changing Nature of the Ligand Layer Controls the Hydrogenation Selectivity
Lecture 21	AXEL GROß	Oxidation Reactions on Oxide Supported Au Catalysts – The Crucial Role of Reaction Conditions and Catalyst support
Lecture 22	UBIRAJARA PEREIRA	Organic-Inorganic Hybrid Photocatalytic Membranes for In-flow Water Purification

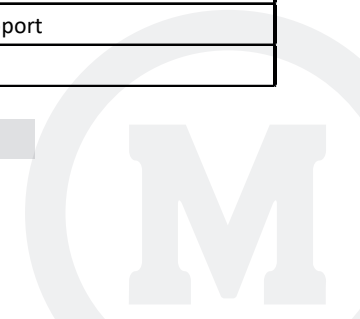
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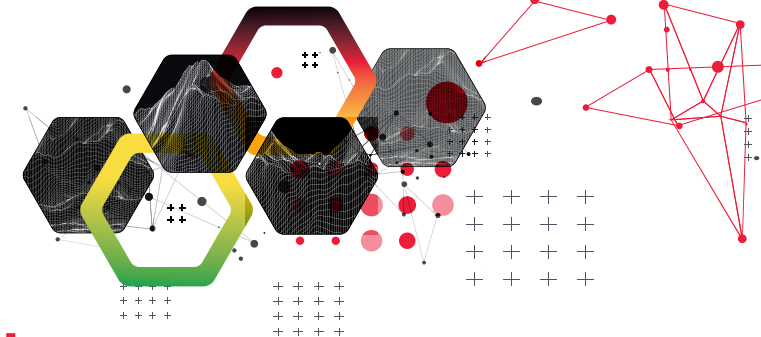
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Oral presentations – 20 min each

	NAME	TITLE
Oral 1	LEONARD GORDIAN GURA	Capturing Surface Dynamics with Spiral High-Speed STM
Oral 2	INGRID DAVID BARCELOS	Probing Polaritons in Low-dimensional Materials with Synchrotron Infrared Nanospectroscopy
Oral 3	MAX NIEDERREITER	Charge Transfer in Copper-Phthalocyanine on Metallic and Oxide Surfaces
Oral 4	SERGIO HUMBERTO DOMINGUES	Development of Nanocomposites for Energy Storage Systems
Oral 5	NOAH COELESTIN AL SHAMERY	Investigation of Melanin-Based Energy Storage System via Chemical Derivatization
Oral 6	LEANDRO MERCES	Organic/Inorganic Hybrid Nanodevices: From Charge-Transfer Reactions to Sensor Applications
Oral 7	MILTON ANDRE TUMELERO	Rationalizing Spin-Orbit Proximity Effect in SOC/FM Multilayers: The Role of Interface
Oral 8	ANDREAS TERFORT	From Self-Assembled Monolayers to Highly Functional Substrates for Cryo-Transmission Electron Microscopy (CRYO-TEM)
Oral 9	ALEXANDRE ALBERTO CHAVES COTTA	Study of Magnetic Anisotropy and Induced Spin Polarization in Fe/Co/Cu ₃ Au(001): An Experimental and First-Principles Investigation
Oral 10	SIMON WERNER SOO-CHUN JAEKEL	Self-Assembly and Thin Film Growth Dynamics of an Ionic Liquid on Au(111) Investigated in Real Space
Oral 11	FLORIAN SCHWARZ	Self-metalation of 2H-Tetraphenyl Porphyrin and 2H-Porphine on an Oxide Surface
Oral 12	EVA MARIE FREIBERGER	An HR-XPS Study On Bromine on h-BN/Rh(111)
Oral 13	LUIZ GUSTAVO SIMÃO ALBANO	Surface-Supported Metal-Organic Framework Vertical Heterojunctions for Hybrid Electronic Devices
Oral 14	CECILIA DE CARVALHO CASTRO E SILVA	Exploring Field-Effect Transistors Based on Graphene for the Ultrasensitive Detection of Biomarkers
Oral 15	HICHAM IDRIS	Electron Transfer Reaction by Time Resolved (TRS) and Core Level Spectroscopy (XPS) and STM on Au/TiO ₂ (110) Single Crystal Systems
Oral 16	ERIC SAUTER	Surface Ligand Infrared Spectroscopy: In-Situ Characterization of Noble Metal Clusters and Metal Oxides at Work
Oral 17	NATALIE JESSICA WALESKA	Reactivity and Passivation of Fe Nanoclusters on h-BN/Rh(111)
Oral 18	NILS SEBASTIAN BRINKMANN	Activation of Amines and Alkenes at Pt(111) Surface For C-N Bond Formation
Oral 19	TATIANA PARRA VELLO	Improving Electrical Conductivity Mediated By Pyrrole Loading In Monolithically Integrated Surmofs Templates

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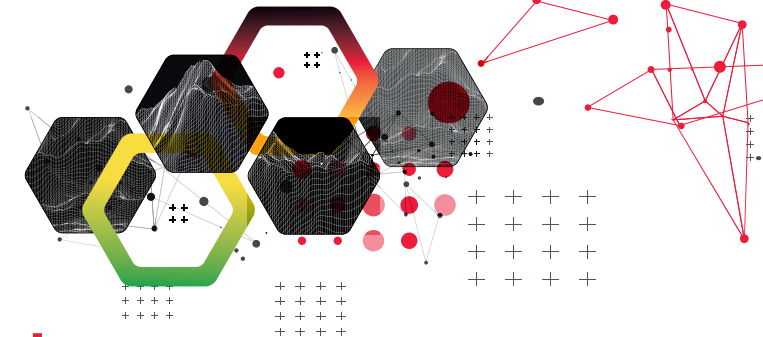
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Poster presentations – 3 min each

	NAME	TITLE
Poster 1	ALISSON CECCATTO DOS SANTOS	ON-SURFACE SYNTHESIS OF TWO-DIMENSIONAL POROUS NETWORK ON METAL SURFACES
Poster 2	ANA CLAUDIA FINGOLO	ZIF-8 DERIVED ZNO FUNCTIONAL DEVICES
Poster 3	ISABELA DA COSTA TONON	EPITAXIAL GROWTH OF HfS ₂ ON Ag (111): SEMICONDUCTOR RESPONSE AND OXIDATION OF THE MONOLAYER
Poster 4	JADE BARRETO	CORE-LEVEL BINDING ENERGY SHIFTS IN MnO(001) THIN FILMS GROWN ON Au(111)
Poster 5	JOÃO VITOR PAULIN	A STEP FORWARD EUMELANIN-BASED MICRO AND PORTABLE DEVICES
Poster 6	LEONARD GORDIAN GURA	CAPTURING SURFACE DYNAMICS WITH SPIRAL HIGH-SPEED STM
Poster 7	LILIAN RODRIGUES DE OLIVEIRA	SYNTHESIS AND CHARACTERIZATION OF POLY(P-ANISIDINE): EXPERIMENTAL AND THEORETICAL APPROACH TO MOLECULAR STRUCTURE, ELECTRICAL AND SPECTROSCOPIC PROPERTIES
Poster 8	NOAH COELESTIN AL SHAMERY	INVESTIGATION OF MELANIN-BASED ENERGY STORAGE SYSTEM VIA CHEMICAL DERIVATIZATION
Poster 9	RUBEM RAPHAEL DOS SANTOS CAETANO	STUDY THE STRUCTURE OF Mn ₃ O ₄ (110) BY STM
Poster 10	SALOMÃO DOS SANTOS COSTA	TEMPERATURE INFLUENCE ON THE ELECTRICAL PROPERTIES OF Na ₂ Ti ₃ O ₇ /Na ₂ Ti ₆ O ₁₃ /POMA COMPOSITE
Poster 11	WAGNER WLYSSES RODRIGUES DE ARAUJO	DEVELOPMENT OF SELF-COILING NANOMEMBRANES FOR 3D ULTRACOMPACT CAPACITIVELY COUPLED CONTACTLESS CONDUCTIVITY DETECTION
Poster 12	YAN MATHEUS COLARES PINTO	EFFECT OF LiOH CONCENTRATION IN FLEXIBLE COMPOSITES FOR APPLICATION IN SOLID STATE ELECTROLYTE

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