

Program Overview

Participants may print the program by selecting the **Print** button in the upper-right corner of the page. For a more comprehensive view, we recommend adjusting the page scale in your browser settings before printing.

Sunday, September 27, 2026

	S1 - Sensors for Health, Safety & Food	S2 - In-Situ & Operando Electro catalysis	S3 - Interfaces, Materials & Architectures
4:10 PM - 4:40 PM	Opening Ceremony		
4:40 PM - 5:20 PM	Jeremy Bounberg - Ultra-robust rechargeable SEBS sensors for studying the electrical double layer in nanogaps		
5:20 PM - 5:40 PM	Technical Break		
5:40 PM - 6:00 PM	Elena Ferroportova - Translational Potential of Electrochemical Adlayer-Based Sensors for Cancer Diagnostics	Rebecca Pfitzkowski - Through X-ray Eyes: Multi-technique Operando Synchrotron Studies of Nanoparticle Electrocatalysts	Dominika Lesnicki - Molecular Insights Into Water Organization at a Polarizable Water/Tetrafluorobutene Interface
6:00 PM - 6:15 PM	A Thiolane-Based Multilayer Electrochemical Adversensor for Kanamycin Monitoring	How high-throughput x-ray characterization could solve the dynamic strain in H ₂ O ₂ based electrode for oxygen evolution reaction	Computational Investigation of Charge and Mass Transport Mechanisms at the Interface Between Water Dissociation Catalysts and Polymer Membranes
6:15 PM - 6:30 PM	Multidimensional Electrochemical Fingerprinting of Nanocomposites using an Adlayer-Based Sensor via Dynamic Electrochemical Impedance Spectroscopy	Anomalous behavior of interfacial ions of electrocatalytic interfaces	Electrochemical CO ₂ capture using conductive metal-organic frameworks: constant-potential simulations in situ verification, and materials databases
6:30 PM - 6:45 PM	Inter-free Electrochemical Detection of Sulfate Uremic Toxin in A Living Single-Alum Iron BioInterface	Probing High-Voltage Degradation in H-Rich NMC-Based Lithium-Ion Cells via in-Situ X-ray Diffraction	Decoding complex interfacial behavior by combining advanced atomistic simulations and x-ray spectroscopy
6:45 PM - 7:00 PM	Sensing Biomolecules Electrochemically – The Application of Organoporels in IMES Systems	Operando Studies of Catalytic Degradation in Fuel Cells and Electrolysers	The electric double layer from a different perspective: Study of the Pt-water interface under ultrahigh vacuum conditions
7:00 PM - 10:00 PM	Welcome Reception		

Monday, September 28, 2026

	S1 - Sensors for Health, Safety & Food	S2 - In-Situ & Operando Electro catalysis	S3 - Interfaces, Materials & Architectures
8:40 AM - 9:20 AM	Jill Venton - Custom Carbon Electrodes for Neurochemistry		
9:20 AM - 10:00 AM	Gregorij Sulka - from Self-Organized Anodic Nanostructures to Functionalized Electrodes: Understanding Formation Pathways and Engineering Material Complexity		
10:00 AM - 10:30 AM	Coffee Break - Mon AM		
10:30 AM - 10:50 AM	Riccardo Anticchia - Advances in diabetes management: a novel magnetic nanoparticles-based immunosensor for C-peptide detection at the Point-of-Care	Yvonne Grunder - In-situ x-ray diffraction and spectroscopic techniques to probe the electrochemical interface	Iulia Voroshilova - Electrode-Material Effects on Ion Packing and Charging Dynamics in Ionic Liquid-Based Supercapacitors
10:50 AM - 11:05 AM	Chitosan-Based Electrochemical Biosensor for Rapid Detection of Escherichia coli	Cation-Dependent Inter- and Inlayer Structure of Nickel-Iron Clay Hydroxide During Operando Oxygen Evolution	Comparative study of ion dynamics and EDL stability at carbon/electrolyte interface using water and methanol solvents for supercapacitors
11:05 AM - 11:20 AM	Molecularly Imprinted Polymer-Based Sensors for Antidiabetic Drugs: from Monomer Screening to Electropolymerized Sensor Platforms	Understanding Cation Effects Through Interfacial Structure in Alkaline Hydrogen Evolution on Single-Crystal Platinum Electrodes	In-Situ Surface-Enhanced Infrared Absorption Study of Protonic Ionic Liquids/Pt Interfaces
11:20 AM - 11:35 AM	Detecting drug abuse on the invisible risk in drinks	Operando EC-STM Reveals Active Sites for Nitrate Reduction on Ag-Coated Au Nanopores	Establishing an Operando Electrochemical Quartz Crystal Microbalance with Dissolution Monitoring (EQCM-D) Methodology for Quantifying Solvent Co-Intercalation Reactions
11:35 AM - 11:50 AM	Single-channelly single-walled carbon nanotubes for electrochemical co-detection of serotonin and dopamine	Revisiting a Glorious Riddle: Oxide Growth and Place-Exchange on Au(111) in Alkaline Electrolyte	Watching Molecules Move: Revealing Diffusion and Retention Mechanisms in Electrodes Using Electrochemistry and Multivariate Statistics
11:50 AM - 12:05 PM	Cu ₂ O/CuO-Modified TiO ₂ Nanorubers as Electrochemical Sensor for Adrenaline Detection	Integrated in situ Analyses of Valence Changes and Structural Transformation in Anodized Fe-Co-Ni Spinell Oxide Electro catalysts	Studies of Electrochromic Properties of Selected Carbonate Derivatives: A Five-Polymer Comparative Study
12:05 PM - 12:20 PM	Advanced Electrochemical Sensors Based on CVD-Grown Carbon Nanowalls for Monitoring of Nitroaromatic Pollutants in Marine Environments	Modifying Au(111) Electrodes for an Enhancement of the Alkaline Hydrogen Evolution Reaction	Modelling Cyclic Voltammograms of High-Power Energy Storage Materials to Reveal Capacitance and Resistance in Clean-Sensor Software
12:20 PM - 1:40 PM	Lunch Break - Mon		
1:40 PM - 2:00 PM	Andrea Jili - Real-time, continuous in vivo monitoring of biomolecular targets via electrochemical adlayer-based (EAB) sensors	Marcel Risch - Decoding Active States in Oxygen Evolution Electrocatalysis: From In-Situ Observation to Operando Characterization	Maciej Marzeczycki - Operando and in-situ techniques in the development of next-generation batteries from problem to solution
2:00 PM - 2:15 PM		Interfacial Softening and Electrolyte Uptake in Co/Co ₂ Oxygen Evolution Catalysts Revealed by Cumulative Fast EGCMS and Raman Spectroscopy	Comparing Oxygen Release in O ₂ - and O ₂ -Type Lithium-Rich Layered Oxide Positive Electrodes Using OCVs
2:00 PM - 2:20 PM	Željko Jančićević - Design Routes Toward Sustainable Extended-Scale Field-Effect Transistor and Impedimetric in-Vitro Biosensing Platforms		
2:15 PM - 2:30 PM		Understanding individual contributions in bimetallic spinel nanoparticles for the oxygen evolution reaction using operando Raman spectroelectrochemistry	Can Ex-Situ XRD Tell the Same Story as Synchrotron in-Situ? Structural Insights into NMC111, NMC422, and NMC811
2:20 PM - 2:35 PM	Securing Probe Lithiography for Functionalization of Advanced Electrochemical Biosensors	Probing Activation Reversibility in Ni-Based DM Electro catalysts by In-Situ EC-Raman Spectroscopy	Batteries of the future are sweet: insights into sweetener-based electrolyte additives for Li-ion batteries
2:30 PM - 2:45 PM	Graphene-Based Ink for Inkjet Printing and Direct Ink Writing of Electrochemical Devices	Operando Identification of Reactive Oxygen Mofds Governing the Oxygen Evolution Reaction on Iridium Oxides	TiO ₂ Surface-Functionalized Graphite-Silicon Composite anode for Li-ion Batteries
2:45 PM - 3:00 PM	Signal Recovery & Pattern Vast: A Wearable Monitoring System Based on SEBS/Carbon Black Piezoresistive Smart Materials	Cancelled - Operando X-ray Absorption Spectroscopy Reveals V-O-Fe Interfacial Coupling as the Origin of Enhanced Oxygen Evolution in CoFe ₂ V ₂ C ₂ Mo ₂ Composites	Dual-Mg ²⁺ /Li ⁺ Intercalation in Ti-Mo ₂ Nanoflowers for Rechargeable Magnesium-Anode Batteries
3:00 PM - 3:15 PM	Machine Learning for Electrochemical Measurements: Theoretical Extensions and Proof-of-Concept Substance Discrimination	Conducting Water Oxidation Intermediates of Hematite Photocatalysts using Coupled Infrared Element via Operando ATR-FTIR Spectroscopy	Operando Studies of High-Entropy Disordered Rocksalt Oxynitride Cathode for Li-ion batteries
3:05 PM - 3:20 PM		In-situ investigation of salt-dependent structural stability in transition metal oxide electro catalysts	Probing the heterogeneous solid-electrolyte interphases (SEI) in lithium metal batteries
3:15 PM - 3:30 PM		Operando investigation of structural evolution in Iridium-decorated Iridium-based PEMWE catalysts	Protonic Immobile Ionic Liquids as anti-corrosive additives to electrolytes of negative electrode in nickel-metal hydride batteries
3:30 PM - 3:45 PM	Coffee Break - Mon PM		
3:45 PM - 4:00 PM	Gregoire Herzog - In situ EC-SERS of the polarized liquid-liquid interface	Mehmet Ozsozan - Mechanistic Understanding of Bifunctional Pt-Cr Alloy Catalysts	Sonia Drake - Solvation-controlled cation selectivity in hybrid aqueous zinc-sodium batteries
4:00 PM - 4:30 PM	Nadica Ivosevic Delvaux - Tailoring Sustainable Algae-Derived Drug Carriers: What Electrochemistry and Bio-ATM Reveal	Yoshiharu Uchimoto - Unraveling Active Interface Dynamics by Multimodal Operando Measurements during Oxygen Evolution	Gunter Wiltstock - Composition-Reactivity Correlations of Solid-Electrolyte Interphases from Identical Location Experiments with SECM and XPS
4:30 PM - 4:50 PM	Ion Transfer of an organogel water-filled - Insights from combination with ex-situ confocal microscopy	The Absence of Distinguishable Cation Identity Effects in Purified Electrolytes for Alkaline HER on Pt	Electrochemical Near-Ambient Pressure XPS and Its Connection to the Absolute Electrode Potential
4:50 PM - 5:10 PM	Single-pore-based systems utilizing interfaces of the liquid-liquid interface	Effect of carbon nanotubes functionalization on the stability of MoS ₂ -based electro catalysts for hydrogen evolution reaction	Covalently SEI Formation during Lithium Plating on Copper with Operando EC-XPS
5:10 PM - 5:25 PM	Platform-Dependent Surface Functionalization of Gold Electrodes for Gold-Based Biosensing	Polarized Dynamic Water Electrolysis	Operando Photoelectron Spectroscopy Reveals Early-Stage Degradation Pathways in All-Solid-State Batteries
5:25 PM - 5:40 PM	Nanostructured Electrochemistry at the Interface between Two Immiscible Electrolyte Solutions: Investigation of Uncommon Anion Species	Better than just overpotential and chronopotentiometry: Investigating activity and stability metrics for multi-objective exploration of water oxidation catalysts	Validation of Alloy-Based Reference Electrodes for Electrode-Resolved Measurements in Solid-State Batteries
5:40 PM - 5:55 PM		Separating the Contributions of Active Sites on Pt Single-Crystal Electrodes for the Hydrogen Evolution Reaction	Scanning Electrochemical Microscopy as a Powerful Tool for Investigating the Solid-Electrolyte Interphase of Hard Carbon in Sodium-Ion Batteries
5:55 PM - 6:10 PM	A strange case of Scott's test and cocaine detection - when electrochemistry of liquid-liquid interface meets colorimetric assay		
6:10 PM - 6:25 PM			
6:25 PM - 6:40 PM			
6:40 PM - 6:55 PM			
6:55 PM - 7:10 PM			
7:10 PM - 7:25 PM			
7:25 PM - 7:40 PM			
7:40 PM - 7:55 PM			
7:55 PM - 8:10 PM			
8:10 PM - 8:25 PM			
8:25 PM - 8:40 PM			
8:40 PM - 9:00 PM			
9:00 PM - 9:15 PM			
9:15 PM - 9:30 PM			
9:30 PM - 9:45 PM			
9:45 PM - 10:00 PM			

Tuesday, September 29, 2026

	S1 - Sensors for Health, Safety & Food	S2 - In-Situ & Operando Electro catalysis	S2 - Cells, Instrumentation & Methodology	S3 - Interfaces, Materials & Architectures	S3 - Electrode Materials & Sensing Interfaces
8:40 AM - 9:20 AM	Klarna Tscholk - In-situ and operando monitoring of electrocatalytic heterogeneity of polycrystalline films and surface-immobilized nanoparticles				
9:20 AM - 10:00 AM	Scott Donne - The Nature of the Electrified Interface - Factors Affecting Charge Storage				

10:00 AM - 10:30 AM	Coffee Break - Tue AM				
10:30 AM - 10:50 AM		David Fermin - Electrochemical Fingerprints of Active Sites in Transition Metal Oxides		Yana Guan-Hong - Engineering electrochemical interfaces for high-capacity sodium-ion batteries: Insights from sieving carbons	Quan Li - In operando nanothermometry in electrochemical devices by nanodiamond quantum sensors
10:50 AM - 11:05 AM		Copper-intercalated tungsten oxide nanowires as electrocatalytic systems for reduction of carbon dioxide and nitrate in acid medium		Polyoxovanadate-Nanocellulose Hydrogels as Sustainable Redox-Active Architectures for Aqueous Electrochemical Energy Storage	Sustainable 3D-Printed Built-Up-Plasticized Carbon Black/PLA Electrochemical Sensor for L-Tyrosine Detection
11:05 AM - 11:20 AM		Divalent/monovalent Hydrogen Evolution and CO ₂ -to-CO Faradaic Reduction Currents in RBC through DESs		From waste to energy: future recycling carbon from spent batteries for application in new electrodes for flexible supercapacitors	Electrochemical Sensing at CATRIH: Bridging Nanomaterials, Surface Engineering and Biomedical Applications
11:20 AM - 11:35 AM		Divalent/monovalent Multi-Scale Interfacial Phenomena in CO ₂ Electoreduction on Copper		N-Doped Baranovs Peat-Derived Porous Carbon as a High-Performance Electrode Material for Supercapacitor Applications	Generating Adhesives Via In-situ Electrochemical Oxidation of Lipic Acid Derivatives
11:35 AM - 11:50 AM		Hierarchically Development of Highly Selective Au Catalyst for Electrochemical CO ₂ to CO Conversion		LSMH double perovskite for Na-CH ₃ battery application	Rapid Fabrication of Low-Cost Biodegradable Paper-based Laser-Induced Graphene Electrodes: Influence of Laser Fluence on Graphitization of Cellulose
11:50 AM - 12:05 PM		Understanding Microenvironment-Driven Modulation of Nitrate Reduction on Copper via Operando ATR-SEIRAS		The Electrochemistry Gravimetric Perspective of Sodium-Ion Exchange in Prussian Blue	Engineering of AuNP-Functionalized Laser-Induced Graphene for Advanced EC-SEIS Applications
12:05 PM - 12:20 PM		Evaluating Anion-Dependent Interfacial Processes in Electrochemically Mediated Amine Regeneration for CO ₂ Capture via Operando Soft and Hard X-ray Absorption Spectroscopy		HPMS-Engineered Mn on Laser-Induced Graphene for Scalable Pseudocapacitive Supercapacitor Electrodes	Stretchable printed micro-supercapacitors based on nitrogen-doped graphene ink
12:20 PM - 1:40 PM	Lunch Break - Tue				
1:40 PM - 2:00 PM		Lucia N'Amadio - Achieving sub-ms time resolution for operando electrochemisotropy	Mattia Piergalli - Slow Filling, Slow Discharge: From EIS to MDA	Jiao Zhang - Phase Engineering of Nanomaterials (FEN)	
2:00 PM - 2:15 PM		Time-Resolved Raman Spectroscopy of Nitrate Electoreduction Reveals Dynamic Interfacial Adsorbate Reorganization	Improving Electrochemical Impedance Measurements under Dynamic Conditions	Electro(photo)catalytic properties of mixed metal (cobalt, iron) Prussian blue-type networks for water oxidation in acid medium	
2:15 PM - 2:30 PM		Electrooxidation of C3 Alcohols on Nickel in Alkaline Electrolytes: Insights from operando Raman spectroscopy	Application of Impedance Spectroscopy Genetic Programming for PERF Analysis of Anion Exchange Membrane Oxygen Separator	AuAuCuPt/MOR catalyst: improved activity despite sluggish CO oxidation	
2:30 PM - 2:45 PM		Hydrophobic Film Formation of Electrified Interfaces and Their Impact on Hydrogen Evolution Reaction Studied by TR Spectroscopy	Visualization of Water Management in a Zero-gap CO ₂ Electrolyzer using Neutron Imaging	Functionalized Ni single-atom catalysts on UiO-66 MOFs for efficient photo-electrocatalytic remediation of pharmaceutical contaminants and CO ₂ reduction	
2:45 PM - 3:00 PM		Tracking Ammonia Electoreduction Reaction via In-situ Electrochemical Raman Spectroscopy	Potential of Acoustic Emissions in combination with AFM measurements to characterize the surface evolution of different electrodes	ORR electrocatalysis at rhodorous based hypercrosslinked polymers	
3:00 PM - 3:15 PM		Ni-Cu Hollow Nanocages as Active Catalysts for Ammonia Oxidation	Determination of ionic spectra of different salts and their mixtures in an Electrical Double Layer (EDL) using newton electroacoustic technique	Polyvinyl-based hyper-crosslinked polymers as oxygen vacancies for ORR electrocatalysis	
3:15 PM - 3:30 PM		Operando Investigations of ORR on the Counter Reaction in Water-tolerant Li-mediated Ammonia Synthesis	Operando Small-Angle X-Ray Scattering (SAXS) on Proton Exchange Membrane Fuel Cells (PEMFC)	Transient NiFe ₂ O ₄ /ZnO Heterojunction Interfaces for Mechanically and Catalytically Coupled Catalysts	
3:30 PM - 3:45 PM		Surface-sensitive investigation of electrochemical reactions by combining in operando nuclear magnetic resonance spectroscopy and numerical pulse optimization	Development of Membrane-Free Electrochemical Flow Reactor with Vertically Aligned Non-Coaxial Electrodes for Aqueous Water Electrolysis	Development of Nickel-Based Electrodes for Efficient and Scalable Hydrogen Production by AFM Electrolysis	
3:45 PM - 4:00 PM		Buckson effects in die-and-pull electrochemical X-ray photoelectron spectroscopy	Spatial Analysis in CO ₂ Electrolyzers through Segmented Mapping		
4:00 PM - 4:30 PM	Coffee Break - Tue PM				
4:30 PM - 4:50 PM	Cecilia Cristea - Intelligent Electrochemical Biosensing for Fast Pathogen Identification	Mara Senopardo - Nanostructured Electrodes for Consistent Electrochemistry in Liquid-Phase TEM		Marc Koper - Electric double layer structure of single-crystal electrodes	
4:50 PM - 5:05 PM		SECM Analysis of Electrode Processes Occurring at Highly Negative Potentials in Aqueous Electrolytes			
4:50 PM - 5:10 PM	Igor Ishtumskyi - MXene-Based Smart Biointerfaces for Electrochemical Applications in Health and Food Safety			Nikita Kovkine - Nanofluidics beyond the Wall	
5:05 PM - 5:20 PM		Margina the Electrochemical Interface with Fluorescence Confocal Laser Scanning Microscopy			
5:10 PM - 5:25 PM	Unraveling the potential of platinum in the detection of GHB derivatives			Real-Time in Situ Conductance Tracking During Pulsed Electrodeposition of Metallic Nanoparticle Networks on Ultrathin Carbon Films	
5:20 PM - 5:35 PM		Margina of in-Polymer pH Values by Operando Electrochemical Fluorescent Microscopy to Investigate Polymer-Promoted Electrocatalysis			
5:25 PM - 5:40 PM	Electrochemical Determination of Amphetamine in Street Samples			Direct evidence of confinement enabled electroynthesis towards Urea	
5:35 PM - 5:50 PM		Complete characterization of bi-functional ORR/HER Co catalyst by operando WAXS and pump-in-situ XPEEM/NEXAFS/XPS			
5:40 PM - 5:55 PM	Determination of Palladium at the BEIS: How Does the Fabrication Method Affect the Analysis?			Effect of Electrode Structure on ECSA Determination in Platinum Electrodes	
5:50 PM - 6:05 PM		Electrochemical STM Investigation of the Dynamic Reconstruction Processes on Au(111)			
5:55 PM - 6:10 PM	Development of a boron-templated electrochemical sensor array for the real-time diagnosis containing data-coupled chips (DCDs)			From Application to Application: Hexagonal TiO ₂ Nanotubes with Enhanced Electrochemical and Mechanical Properties	
6:05 PM - 6:20 PM		Live imaging electrochemistry using solid-state electron microscopy: in situ Ag dissolution at open-circuit potential			
6:10 PM - 6:25 PM	Evaluating the Influence of Applied Potential on Sensor Redoxing and Subsequent Performance: A Combined CV, EIS, and EQCM-D Study			Superficial Carbon Dioxide-assisted Electropolymerization of Peroxide with Different Anionic Surfactants	
6:25 PM - 6:40 PM	Low-Cost Nickel-based Catalyst for the Electoreduction of Gamma-Hydroxybutyric Acid Presumes				
7:00 PM - 10:00 PM	Gala Dinner				

Wednesday, September 30, 2026

	S2 - In-Situ & Operando Electroanalysis	S2 - Cells, Instrumentation & Methodology	S3 - Interfaces, Materials & Architectures	S3 - Electrode Materials & Sensing Interfaces
8:40 AM - 9:00 AM	Mateus Oddonek - From Black Powder to Programmable Interfaces: Carbon Catalysts for Electrified Hydrogenation		Updated: Katarzyna Sturek - Controlling the MAX to MXene Transition: The role of electrochemical Etching	Eleen Yu - Development of Electrochemical Biosensors for Measuring Reactive Oxygen Species (ROS) in Blood & Wearable Body Temperature Sensor
9:00 AM - 9:15 AM	Towards understanding the beneficial impact of cells-based catalytic layers on the performance of ORR-SPCEs		Interfacial control of Mn oxides: ORR contribution and suppression via electrolyte additives	Ferrocene modified MIPs for (redox probe)-free electrochemical sensing
9:15 AM - 9:30 AM	Spectroscopic Investigation of thin ionomer films on Pt interdigitated arrays during oxygen reduction reaction		Electrochemical Performance and Interfacial Stability of Stone-Crosslinked PEDOT:PSS Coating on Flexible PMs for Neural Electrode Applications	Spectroelectrochemical and quantum-mechanical insight into electrocatalytic mechanism of selected carbonaceous derivatives
9:30 AM - 9:45 AM	Selective Electoreduction of Acetone on PtRu Model Catalysts		TiO ₂ -Modified PEO Coating on Aluminum AW 1050 with Enhanced Photocatalytic Performance	Electrochemical evaluation of binder-free PEDOT:PSS-PNIPAAm composite hydrogel electrode in alkaline media
9:45 AM - 10:00 AM	Decoding Iridium Dissolution in PEMWE Anode Catalyst Layers through Gradient Coating and Operando Analysis		Electrosynthesis of MnO ₂ Films: Linking Deposition Parameters, Morphology and Electrochemical Performance	Branched Boron-Doped sp ³ -Rich Carbon Nanowalls as Electrochemical Interfaces for the Detection of Hazardous Organic Pollutants in Aquatic Environments
10:00 AM - 10:15 AM	Mercus-type kinetics controls stable and triplet oxygen evolution from superoxide		The mechanical stability limit of microporous carbons defining the transition from reversible charging-induced deformation to mechanical failure	Graphene Oxide-Engineered Electrochemical Interface for Antituberculous Drug Behaviour
10:15 AM - 10:30 AM	Electrochemical and Spectroscopic Signatures of the John-Teller Effect in Platinum-Monodoped Au ₂ (d)SR18 Clusters		Cu-Modified Semitransparent TiO ₂ Nanotubes: Unraveling the Impact of Annealing Environment on Photoelectrochemical Activity	Operando Confocal Fluorescence Imaging of Electrochemically-Induced pH Gradients at Structured Electrified Interfaces
10:30 AM - 11:00 AM	Coffee Break - Wed AM			
11:00 AM - 11:20 AM	Naoya Nishi - In-situ SEI analysis of the electrode interface of electrolytes using soft X-ray absorption spectroscopy	Juliana Bonacic - 3D Printed Spectroelectrochemical Cell for in situ and in operando Measurements	Moham Rashedoddouly - Operando Electrochemical Interrogation of Dynamic Chemical Interfaces	

11:20 AM - 11:45 AM	Investigating SEI Formation Processes in Anode-Free Batteries using EQCM-D	Electrochemistry in Combination with Capillary Flow Systems and Mass Spectrometry	Investigation and Validation of a 3-Electrode Measurement Methodology for Fuel Electrode Characterization in Solid Oxide Electrolysis Cells	
11:45 AM - 12:00 PM	Overcoming Vibrational Mode Deconvolution in Layered Cathodes: A Systematic In Situ and Ex Situ Raman Study on Li-ion Cells Based On Diverse NMC Chemistries	In situ Pressure and Temperature Mapping via Embedded MEMS Sensors in Electrochemical CO2 Reactor Flow Channels	New perspective of electrochemistry originating from the surface engineering through oxygen evolution reaction	
12:00 PM - 12:15 PM	The Fells They Are A-Changin': Three-Electrode Dynamic Electrochemical Impedance Spectroscopy as an Operando Electrode Aging Monitoring Tool for Redox Flow Batteries	Electrochemical Impedance Spectroscopy (EIS) coupled with distribution of relaxation times (DRT) analysis of fuel cells operating on alternative fuels	Investigation of Pd/Ni-Coated Titanium Foil Electrodes for Utilized Regenerative Fuel Cell Applications	
12:15 PM - 12:30 PM	In Situ Raman Spectroscopy of Anodic Nanotubes as Battery Electrodes	Operando Raman Spectroelectrochemical Investigation of Permanently Cationic Molecules of Cu-Based Substrate in Alkaline Medium	Effect of Imidazole Ionic Liquids and Palladium Nanoparticles on the Long-Term Performance of the Negative Electrode in Ni-MH Batteries	
12:30 PM - 12:45 PM	Unravelling the Dynamics of Electrochemical Interfaces with Advanced In-situ and Operando Characterization Techniques	The TDV for in-situ and operando study of the carrier dynamics of electrochemical reactions	Decoupling mass transport contributions in vanadium flow battery using electrochemical impedance spectroscopy	
12:45 PM - 1:15 PM	Closing Ceremony			