## Monday (April 27, 2026)

**Technical Forum Breakfasts**

**TFB: Atmospheric Plasma Technology**
Hana Barankova (Uppsala University) / Ladislav Bardos (Uppsala University)
Long Beach Convention Center Promenade: 102 A

**TFB: Coatings and Surface Engineering for Medical Applications**
Jeff Hettinger (Rowan University) / Greg Taylor (Lawrence Livermore National Laboratory)
Long Beach Convention Center Promenade: 102 B

**TFB: High Power Impulse Magnetron Sputtering (HiPIMS)**
Arutiun P. Ehiasarian (Sheffield Hallam University) / Ralf Bandorf (Fraunhofer-IST)
Long Beach Convention Center Promenade: 102 C

**TFB: Photonically Induced Surface and Thin Film Processing**
Christopher Muratore (University of Dayton) / Ralf Bandorf (Fraunhofer-FEP)
Hyatt Regency: Seaview Ballroom A

**TFB: Durability Evaluation of Thin Film Coatings: Testing Methods and Practical Implications**
Brent Boyce (Guardian,) / Anelisa Wickstein (Glas Trösch)
Hyatt Regency: Seaview Ballroom B

**TFB: Transparent Conductive Materials (TCM)**
Clark Bright (Bright Thin Film Solutions, LLC) / Patrick Morse (Arizona Thin Film Research, LLC)
Hyatt Regency: Seaview Ballroom C

| 7:30 AM | LBCC Promenade 104A (Program track daily room assignment) | LBCC Promenade 104B (Program track daily room assignment) | LBCC Promenade 105A (Program track daily room assignment) | LBCC Promenade 105B (Program track daily room assignment) |
|---|---|---|---|---|
| 8:00 AM | **10-minute passing break** | | | |
| 9:00 AM | **Compact Business Meeting (30 minutes) (LBCC Promenade 104B)** | | | |
| 9:30 AM | **10-minute passing break** | | | |
| 9:40 AM | **Director of Program Welcome and Conference Introduction (LBCC Promenade 104B)** | | | |
| 9:45 AM | **Keynote (LBCC Promenade 104B)**<br>**Sustainability and Life Cycle Thinking as Innovation Drivers for Surface Engineering**<br>**(Christoph Herrmann - Fraunhofer-IST)** | | | |
| 10:30 AM | **20-minute refreshment break** | | | |
| 10:50 AM | **Large Area Colloquium**<br>**"Doing new life in old centers. Misdemonstration of creation for new demands"** | Characterization, Testing, and Failure Analysis (CT): In-Situ and Ex-Situ Characterization of Thin Film Nucleation and Growth<br>(Lukáš Prokeš - Polytechnique Montreal) | **Plasma Processing and Diagnostics (PP):** Results Using Longitudinal QMS Data on a Nested Remote Control System Demonstrated for the ITER EDDA System<br>(Erika Mazzola - Oak Ridge National Laboratory) | HiPIMS: Technology which makes industrial-resolution commercially viable<br>(Chinwuba Ternwi - Ad Hoc Weather Tactics Coating R.V.) | **Advanced Multifunctional Coatings (AmMoC):** Advanced Coatings Enabled by Plasma Processes for Tribological and Wear Applications<br>(Micaël Arnoux - Argonne National Laboratory) |
| 11:10 AM | **Large Area (LA):** Vacuum-Deposited Solid-State Thin Film Batteries<br>(Deniela Nastasoiu - IMEC) | Characterization, Testing, and Failure Analysis (CT): Tuning the Properties of PVD Thin Films Depending on Bias Voltage<br>(Ivo Dalev - Ruhr-Universität Bochum) | **Plasma Processing and Diagnostics (PP):** Tuning the Properties of PVD Thin Films Depending on Bias Voltage<br>(Ivo Dalev - Ruhr-Universität Bochum) | HiPIMS: Comparative Study of Growth and Properties of Thin Film Films Deposited in Conventional and Industrial HiPIMS Coatings<br>(Zeina Zabeda - Polytechnique Montreal) | HiPIMS: Advanced Multifunctional Coatings (AmMoC): Advanced Coatings Enabled by Plasma Processes for Tribological and Wear Applications<br>(Micaël Arnoux - Argonne National Laboratory) |
| 11:30 AM | | Characterization, Testing, and Failure Analysis (CT): Advanced Characterization of Interfaces and Microstructure in Thin Film Systems<br>(Bernard D. - Mesdrevis) | **Plasma Processing and Diagnostics (PP):** Advanced Characterization of Interfaces and Microstructure in Thin Film Systems<br>(Zilong Zabeda - Polytechnique Montreal) | HiPIMS: Advanced Efficiency and Reliability of Plasmatreat Inline HiPIMS Technology for Industrial Coating Applications<br>(Andreas P. Ehiasarian - Sheffield Hallam University) | HiPIMS: Advanced Multifunctional Coatings (AmMoC): Advanced Coatings Enabled by Plasma Processes for Tribological and Wear Applications<br>(Kai Liu - Northwestern University China) |
| 11:50 AM | **Large Area (LA):** Vacuum-Deposited Solid-State Thin Film Batteries<br>(Deniela Nastasoiu - IMEC) | Characterization, Testing, and Failure Analysis (CT): Tuning the Properties of PVD Thin Films Depending on Bias Voltage<br>(Ivo Dalev - Ruhr-Universität Bochum) | **Plasma Processing and Diagnostics (PP):** Tuning the Properties of PVD Thin Films Depending on Bias Voltage<br>(Ivo Dalev - Ruhr-Universität Bochum) | HiPIMS: Real-Time Optimization of Industrial Coating Process Using Plasma Emission Spectroscopy and Electrical Plasma Process Control<br>(Thomas Schiller - Fraunhofer-IST) | **Advanced Multifunctional Coatings (AmMoC):** Advanced Coatings Enabled by Plasma Processes for Tribological and Wear Applications<br>(Yabiba Amelle - Syntex University) |
| 12:10 PM | | Characterization, Testing, and Failure Analysis (CT): Electrochemical Characterization of Thin Film Batteries<br>(Deniela Nastasoiu - IMEC) | **Plasma Processing and Diagnostics (PP):** Electrochemical Characterization of Thin Film Batteries<br>(Deniela Nastasoiu - IMEC) | HiPIMS [Online]: Towards Reactive Gas Control Based on Optical Emission Monitoring - The Role of Metal Ions in Plasma Activated Reactive Environments<br>(Tetsuhide Shimizu - Tokyo Metropolitan University) | **Advanced Multifunctional Coatings (AmMoC):** Advanced Coatings Enabled by Plasma Processes for Tribological and Wear Applications<br>(Yabiba Amelle - Syntex University) |
| 12:30 PM | **40-minute passing / lunch break** | | | | |
| 1:10 PM | **Zero-Motion Tutorial (LBCC Promenade 104B)**<br>**From Poisoned Targets to Healthy Models: The Quest for Parameters**<br>**(Frederik Tegde - Ghent University)** | | | | |
| 2:00 PM | **10-minute passing break** | | | | |
| 2:10 PM | **Large Area (Online):** Mass Production of Energy-Saving Coatings for Display Cover Glass<br>(Kiran Mathew - Corning Inc.) | Characterization, Testing, and Failure Analysis (CT): Hollow Cathode Plasmatron Activity Measurement for Thin Film Deposition Processes<br>(Tim Dalbow - Advanced Energy) | Coatings and Processes for Biomedical Applications (BP): Optimizing the Lifetime of the Antimicrobial Property of Silver Containing Thin Films Deposited by Reactive Gas Promoted Sputtering Combined with Plasma Based Ion Implantation<br>(Simone Kondrat - Bowser-Jones Limited) | HiPIMS: Time-Resolved Investigations on Ion Fluxes, Ion Energies, Degree, and Plasma Composition in Industrial Scale HiPIMS Coating Systems<br>(Ralf Bandorf - Fraunhofer-IST) | **HiPIMS [Online]:** Advanced HiPIMS Coating Equipment for High-Performance Cutting Tools and Wear Protection Applications<br>(Wei Zhao - Guangdong Huizhong Jeomchmichang) |
| 2:30 PM | **Large Area (LA):** Beam Plasma Source Enhanced Deposition of High- and Low-Index Optical Coatings<br>(Lorenzo Ceo - Advanced Energy) | Characterization, Testing, and Failure Analysis (CT): Controlled Synthesis of 2D TiNbx with Tunable Magnetic and Electrochemical Properties<br>(Zhong Guo Chen - National University of Taiwan) | Coatings and Processes for Biomedical Applications (Online): Peak Tolerance to Biofouls - Closing the Loop with Thin Films<br>(Matthias Wagner) | HiPIMS: Through-Glass Via Metallization by Using HiPIMS Copper Layer Deposition for 3D Glass Interposer Manufacturing<br>(Ralf Bandorf - Fraunhofer-IST) | **HiPIMS [Online]:** Advanced HiPIMS Coating Equipment for High-Performance Cutting Tools and Wear Protection Applications<br>(Wei Zhao - Guangdong Huizhong Jeomchmichang) |
| 2:50 PM | **Large Area (LA):** Smoking Lamps Area Advanced Packaging Through Galvanic Silo Technology Platform<br>(Anja Haberland - Lumitec AG) | Characterization, Testing, and Failure Analysis (CT): Influence of Laser, Sliding Speed and Thermal Treatment Effects on the Tribological Behavior of VCrN Coatings<br>(Ana Cristina Ramos Fernandez - Universidad Carlos III de Madrid) | Coatings and Processes for Biomedical Applications (Online): Peak Tolerance to Biofouls - Closing the Loop with Thin Films<br>(Matthias Wagner) | HiPIMS: Reactive Sputtering Discharge Dynamics by Pulse Sequencing in Industrial Scale HiPIMS Coating Systems<br>(Lindong Shen - Tokyo Metropolitan University) | HiPIMS [Online]: Advanced HiPIMS Coating Equipment for High-Performance Cutting Tools and Wear Protection Applications<br>(Wei Zhao - Guangdong Huizhong Jeomchmichang) |
| 3:10 PM | **20-minute refreshment break** | | | | |
| 3:30 PM | **Large Area (LA):** Scalable Manufacturing of Organic Semiconductor Lasers Enabled by Photolithography<br>(Susanne Klug - Laddiscovery Gmbh) | Characterization, Testing, and Failure Analysis (CT): Non-Destructive in Spectroscopic Ellipsometry<br>( Aaron Ellison - J.A. Woollam Co.) | Overflow (OR) | Overflow (OR) | **Photonically Induced Transformations of Thin Films [Online]:** Photonic Post-Processing of Thinned Silicon Flexible Substrates<br>(Mark Pulido - SUNY Binghamton University) |
| 3:50 PM | **Large Area (LA):** Sliding Lamps - Production and Characterization of Layer Thickness Distribution in Large Area Magnetron Sputtering<br>(Eric Kabbach - Fraunhofer-IST) | Characterization, Testing, and Failure Analysis (CT): Advances in the Quick Screening of PFS and Other Types of Lens Distortions<br>(Matthias Lenk - Brighton Young University) | Quantum Computing [Online]: Complete Coordination Control with Dark Matter Superconducting Circuits<br>(Jirasawanan Fak - University of Southern California) | Overflow (OR) | Overflow (OR) |
| 4:10 PM | **Large Area (LA):** High-Throughput Large Area Coating using a Crescent Type Sputtering System<br>(Tobias Kagaeff - Ardenne Co. LMC) | Overflow (OR) | Overflow (OR) | Overflow (OR) | Overflow (OR) |
| 4:30 PM | | Characterization, Testing, and Failure Analysis (CT): Correlated Lattice Expansion and Atomic Field Mapping in GaN/AlGaN Thin Films<br>(Xiaoke Ou - Fundwi) | | | |
| 4:50 PM | **20-minute break** | | | | |
| 5:10 PM | **Sunset Meeting Forums** | | | | |
| 5:30 PM | **SMF: Advanced Deposition Coating Hardware**<br>Frank Papa (EP Plasma, LLC) / Ralf Bandorf (Fraunhofer-IST)<br>Long Beach Convention Center Promenade: 102 A<br>**SMF: Advanced Multifunctional Coatings: Integrating Vacuum and Electrochemical Deposition**<br>L. Magagnin (Politecnico Milano) / J. Alami (UMAP)<br>Long Beach Convention Center Promenade: 102 B<br>**SMF: Materials for PVD processes**<br>David Sanchez / Christos Pernagidis (Avalovue)<br>Long Beach Convention Center Promenade: 102 C<br>**SMF: Characterization, Testing and Failure Analysis of Thin Films, Coatings and Engineered Surfaces**<br>Matt Linford (Brigham Young University) / Ziag Zabeda (Ecole Polytechnique Montreal), / Dehua Yang (Diatrus)<br>Hyatt Regency: SeaView Ballroom B<br>**SMF: Large-Area Advanced Packaging and Integrated Photonics**<br>Patrick Morse (Arizona Thin Film Research, LLC) / Michaela Jungbühnel (Fraunhofer-ASSIST)<br>Hyatt Regency: SeaView Ballroom C | | | | |
| 6:30 PM | **1hr 40 min Dinner Break**<br>**6:20 - 8:00 PM** | | | | |
| 8:00 PM | **Casino Night Fundraiser (Hyatt Regency - Beacon Ballroom)**<br>**8:00 - 10:00 PM** | | | | |
| 10:00 PM | | | | | |

## Tuesday (April 28, 2026)

**Technical Forum Breakfasts**

**TFB: Leak Detection - Issues and Practices**
Mike Ridenour (Jacobsen USA / Jean-Pierre Dorsaz SKGL Redwood)
Long Beach Convention Center Promenade: 102 A

**TFB: Industrial Chemistry, Tools, & Consistency**
John Neylor (Kurt J. Lesker Company) / Jimmy Hagler (Semicore)
Long Beach Convention Center Promenade: 102 B

**TFB: Magnetron Sputtering**
Wilmert De Bosscher (Soleras Advanced Coatings) / Patrick Morse (Arizona Thin Film Research, LLC)
Long Beach Convention Center Promenade: 102 C

**TFB: Process Monitoring & Control**
Martynas Audronis (Nova Fabrica, Ltd.) / Edmund Schulego (VAT Group)
Hyatt Regency: SeaView Ballroom A

**TFB: Energy Conversion and Storage**
Volker Sittinger (Fraunhofer-IST) / Stefan Sauger (Fraunhofer-FEP) / Ric Shimshock (MSE)
Hyatt Regency: SeaView Ballroom B

**TFB: AI/I for Optics**
Chris Cook (Edmund Optics) / Ralph Sanchez
Hyatt Regency: SeaView Ballroom C

| 7:30 AM | LBCC Promenade 104A (Program track daily room assignment) | LBCC Promenade 104B (Program track daily room assignment) | LBCC Promenade 105A (Program track daily room assignment) | LBCC Promenade 105B (Program track daily room assignment) |
|---|---|---|---|---|
| 8:00 AM | **10-minute passing break** | | | |
| 9:00 AM | **Awards Ceremony (LBCC Promenade 104B)**<br>**8:40-9:20 AM** | | | |
| 9:30 AM | **10-minute passing break** | | | |
| 9:40 AM | Exhibitor Innovator Showcase (EIS): Integrated Mechanical and Electrical Characterization Solutions for Vacuum Coatings<br>(Frank Kaiser - Anton Paar USA Inc.) | **Organic and Perovskite Electronics (OnE):** Achieving Circumstellar Performance in Perovskite Thin Films by Physical Vapor Deposition<br>(Jay Patel - King's College London) | Process Monitoring, Control, and Automation (PC): From Legacy to Industry 4.0: Retrofitting Vacuum Coaters with Edge Control Metrology<br>(Marcus Bäcker - SUMASS GmbH) | HiPIMS [Online]: Industrial HiPIMS - Practical Challenges, Trends and Innovations<br>(Rafael Gonzalez Rodriguez - Ionautics) |
| 10:00 AM | Exhibitor Innovator Showcase (EIS): Quality Data From 100% Inline Metrology<br>(Marcel Arnaus - DWF Technical Products) | | Process Monitoring, Control, and Automation (Online): Transforming Process Innovation through Advanced Chamber Pressure Control<br>(Pedro Reyes Gonzalez - DEC Fabautomatik AG) | HiPIMS [Online]: 3D HiPIMS With Capacitively Coupled Plasma Etching Following Laser Modification to Form Through-Glass Via<br>(Yonghao Chen - Dong Chip University) |
| 10:20 AM | New Process Technology to Help Control Global Supply Chain Disruptions and Material Price Increases<br>(Bernard Monaghan - Sencera Ltd) | | **Organic and Perovskite Electronics (OnE):** Ultra-Low Coating Thickness Enabling Transparent Conductive Electrodes for Organic Light Emitting Diodes<br>(Pedro Pacheco Vieira - Fraunhofer-IST)<br>Table Permeable Thin Films and Devices<br>(Ray Fan - University of Falmouth) | Overflow (OR) |
| 10:40 AM | | | | HiPIMS [Online]: RF Assisted HiPIMS: an Open Technique Exchange Stability and Ionization Behavior for Acting-Plasma Materials<br>(Marco Bellucci Sessolo - TRUMPF Huettinger Sp. z o.o.) |
| 10:50 AM | | | | |
| 11:10 AM | | | | |
| 11:30 AM | | | | |
| 11:50 AM | | | | |
| 12:10 PM | | | | |
| 12:30 PM | | | | |
| 12:50 PM | | | | |
| 1:10 PM | | | | |
| 1:30 PM | | | | |
| 1:50 PM | | | | |
| 2:10 PM | | | | |
| 2:30 PM | | | | |
| 2:50 PM | | | | |
| 3:10 PM | | | | |
| 3:30 PM | | | | |
| 3:50 PM | | | | |
| 4:10 PM | | | | |
| 4:30 PM | | | | |
| 4:50 PM | | | | |
| 5:10 PM | | | | |
| 5:30 PM | | | | |
| 5:50 PM | | | | |
| 6:10 PM | | | | |
| 6:30 PM | | | | |
| 6:50 PM | | | | |
| 7:10 PM | | | | |
| 7:30 PM | | | | |
| 7:50 PM | | | | |
| 8:10 PM | | | | |
| 8:30 PM | | | | |
| 8:50 PM | | | | |
| 9:10 PM | | | | |
| 9:30 PM | | | | |
| 9:50 PM | | | | |
| 10:10 PM | | | | |
| 10:30 PM | | | | |
| 10:50 PM | | | | |
| 11:10 PM | | | | |
| 11:30 PM | | | | |
| 11:50 PM | | | | |
| 12:10 AM | | | | |
| 12:30 AM | | | | |
| 12:50 AM | | | | |
| 1:10 AM | | | | |
| 1:30 AM | | | | |
| 1:50 AM | | | | |
| 2:10 AM | | | | |
| 2:30 AM | | | | |
| 2:50 AM | | | | |
| 3:10 AM | | | | |
| 3:30 AM | | | | |
| 3:50 AM | | | | |
| 4:10 AM | | | | |
| 4:30 AM | | | | |
| 4:50 AM | | | | |
| 5:10 AM | | | | |
| 5:30 AM | | | | |
| 5:50 AM | | | | |
| 6:10 AM | | | | |
| 6:30 AM | | | | |
| 6:50 AM | | | | |
| 7:10 AM | | | | |
| 7:30 AM | | | | |
| 7:50 AM | | | | |
| 8:10 AM | | | | |
| 8:30 AM | | | | |
| 8:50 AM | | | | |
| 9:10 AM | | | | |
| 9:30 AM | | | | |
| 9:50 AM | | | | |
| 10:10 AM | | | | |
| 10:30 AM | | | |