Monday (April 27, 2026)

Technical Forum Breakfasts

TF1: Advanced Plasma Technology
Hana Barankova (Uppsala University) / Ladislav Bardos (Uppsala University)
Long Beach Convention Center Promenade: 102 A

TF8: Coatings and Surface Engineering for Medical Applications
Jeff Hettinger (Rowan University) / Greg Taylor (Lawrence Livermore National Laboratory)
Long Beach Convention Center Promenade: 102 B

TF9: High Power Impulse Magnetron Sputtering (HiPIMS)
Arutiun P. Ehiasarian (Sheffield Hallam University) / Ralf Bandorf (Fraunhofer-IST)
Long Beach Convention Center Promenade: 102 C

TF6: Photonically Induced Surface and Thin Film Processing
Christopher Muratore (University of Dayton) / Ralf Bandorf (Fraunhofer-FEP)
Hyatt Regency: Seaview Ballroom A

TF9: Durability Evaluation of Thin Film Coatings: Testing Methods and Practical Implications
Brent Boyce (Guardian,) / Anelisa Wickstein (Glas Trösch)
Hyatt Regency: Seaview Ballroom B

TF9: 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	UKC Promenade 104A (Program track daily room assignment)	UKC Promenade 104B (Program track daily room assignment)	UKC Promenade 105C (Program track daily room assignment)	UKC Promenade 101A (Program track daily room assignment)	UKC Promenade 101B (Program track daily room assignment)
8:00 AM	10-minute passing break				
8:10 AM	Compact Business Meeting (30 minutes) (UKC Promenade 104B)				
8:40 AM	10-minute passing break				
8:50 AM	Director of Program Welcome and Conference Introduction (UKC Promenade 104B)				
9:00 AM	Keynote (UKC Promenade 104B) Sustainability and Life Cycle Thinking as Innovation Drivers for Surface Engineering (Christoph Herrmann - Fraunhofer IST)				
9:20 AM	20-minute refreshment break				
9:40 AM	Large Area Colloquium "Doing new life in old centers. Misdemonstration of creativity for new demands"	Characterization, Testing, and Failure Analysis (CT): Ab Ovo of Ab Initio Modeling and Simulation Approaches for Thin Film Materials (Judith Markus - Polytechnique Montreal)	Plasma Processing and Diagnostics (PP): Results Using Longitudinal DBD Plasmas and a Novel Remote Control System Demonstrated for the TEM-DRIE System (Erika Mancuso - Oak Ridge National Laboratory)	HiPIMS: Technology which makes industrial revolution commercially real! (Ehrenfried Zauner - Austrian Coating Technology GmbH)	Advanced Multifunctional Coatings (AmMC): Advanced Multilayer Low Friction Coatings for Cutting and Forming Applications (Micaël Arnoux - Argonne National Laboratory)
10:00 AM		Characterization, Testing, and Failure Analysis (CT): Tuning the Properties of ZnO Thin Films Prepared by Ion Beam Assisted Deposition (Ion Beam Sputtering) (Carolina Garcia - Tri-Demetech, MTA-EK) (Hrvoje Ivanda - Ruđer Bošković Institute)	Plasma Processing and Diagnostics (PP): Tuning Plasma Parameters for Optimized Sputtering Using Pulsed Magnetron Sources (Zdeněk Hubička - Polytechnique Montreal)	HiPIMS: Comparative Study of Growth and Properties of TiSe Thin Films Deposited by Conventional and Pulsed DC Magnetron Sputtering (Jan Dverec - Aviation Cooling Technologies GmbH & Co. KG)	
10:20 AM		Characterization, Testing, and Failure Analysis (CT): Tuning Plasma Parameters for Optimized Sputtering Using Pulsed Magnetron Sources (Zdeněk Hubička - Polytechnique Montreal)	Plasma Processing and Diagnostics (PP): Results Using Longitudinal DBD Plasmas and a Novel Remote Control System Demonstrated for the TEM-DRIE System (Erika Mancuso - Oak Ridge National Laboratory)	HiPIMS: Advanced Multilayer Coatings Deposited by Combined Cathodic Arc and Pulsed Magnetron Sputtering (Jan Dverec - Aviation Cooling Technologies GmbH & Co. KG)	Advanced Multifunctional Coatings (AmMC): Advanced Multilayer Low Friction Coatings for Cutting and Forming Applications (Micaël Arnoux - Argonne National Laboratory)
10:40 AM	Large Area (LA): Vacuum-Deposited Solid-State Na-Ion Batteries (Yevgeniy Kumykov - IMERG)	Characterization, Testing, and Failure Analysis (CT): Ab Ovo of Ab Initio Modeling and Simulation Approaches for Thin Film Materials (Judith Markus - Polytechnique Montreal)	Plasma Processing and Diagnostics (PP): Results Using Longitudinal DBD Plasmas and a Novel Remote Control System Demonstrated for the TEM-DRIE System (Erika Mancuso - Oak Ridge National Laboratory)	HiPIMS: Advanced Multilayer Coatings Deposited by Combined Cathodic Arc and Pulsed Magnetron Sputtering (Jan Dverec - Aviation Cooling Technologies GmbH & Co. KG)	Advanced Multifunctional Coatings (AmMC): Advanced Multilayer Low Friction Coatings for Cutting and Forming Applications (Micaël Arnoux - Argonne National Laboratory)
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11:40 AM	Large Area (LA): HiPIMS Grain Large (Mindaugas Gabrikienas - Vilnius University)	Characterization, Testing, and Failure Analysis (CT): Ab Ovo of Ab Initio Modeling and Simulation Approaches for Thin Film Materials (Judith Markus - Polytechnique Montreal)	Plasma Processing and Diagnostics (PP): Graphite Electrodes Coated by Magnetron Sputtering for Improved Deposition of DLC/SiOx Thin Film Batteries Applications (Peter Polak - Plasma Computers Materials GmbH)	HiPIMS: Towards Reactive Gas Free Sputtering Deposition of Functional Metallic Thin Films Using Pulsed Magnetron Sputtering (Tetsuhide Shimizu - Tokyo Metropolitan University)	Advanced Multifunctional Coatings (AmMC): Advanced Multilayer Low Friction Coatings for Cutting and Forming Applications (Micaël Arnoux - Argonne National Laboratory)
12:00 PM	40-minute passing / lunch break				
12:40 PM	Zero-Motion Tutorial (UKC Promenade 104B) From Poisoned Targets to Healthy Models: The Quest for Parameters (Diederik Depla - Ghent University)				
1:00 PM	10-minute passing break				
1:10 PM	Large Area (Smallal): Mass Production of Energy-Land Organic Coatings for Display Cover Glass (Brian Mitchell - Corning Inc.)	Characterization, Testing, and Failure Analysis (CT): Hollo-Optical Pyrometer: Virtually Measurement for Thin Film Deposition (Tim Gocke - Advanced Energy)	Coatings and Processes for Biomedical Applications (BP): Optimizing the Lifetime of the Antimicrobial Property of Silver Containing Thin Film Coatings Deposited by Plasma Enhanced Atomic Layer Deposition (PEALD) Demonstrated Likewise (Steven Shirley - Nanom Genomics)	HiPIMS: Two Knotted Investigations on Ion Etchers, Ionization Degree, and Deposition Rate Measurements Using Pulsed Magnetron Sputtering (Ralf Bandorf - Fraunhofer IST)	Photonically Induced Transformations of Thin Films (Smallal): Photonic Flash Processing of Thinned Silicon Flexible Substrates (Mark Pulido - SUNY Binghamton University)
1:30 PM		Characterization, Testing, and Failure Analysis (CT): Sub-Bare Limit - Nano-Based Fractions of Graphene and Graphene Oxide (Ana Maria Cano - Kansas Research Institute of Graphene and Graphene Oxide)	Coatings and Processes for Biomedical Applications (BP): Electrically Reduced Metal Thickness Electrodes with Integrated Antibacterial Properties for Implantable Neurostimulation Devices (Jeff Patterson - Nanom Genomics)	HiPIMS: Through-Glass Via Metallization by Using HiPIMS Copper Layer Deposited on Ultra-Thin Glass Substrates (Ali Ebrahimi - Fraunhofer IZM) OPPORTUNITY STUDENT PRESENTATION	
1:50 PM	Large Area (LA): Beam Plasma Source Enhanced Deposition of High- and Low-Index Optical Coatings (Jaroslaw Jan - Michigan State University)	Characterization, Testing, and Failure Analysis (CT): Controlled Synthesis of 2D TiSe2 with Tunable Magnetic and Electronic Properties (Zhong Shan Chiu - National University of Taiwan)	Coatings and Processes for Biomedical Applications (Invited): From Texture to Biofilm - Closing the Loop with Thin Films (Matthew Magnus)	HiPIMS: Advanced HiPIMS Coating Equipment for High-Performance Cutting Tools Based on Industrial Production (Wei Zhao - Guangdong Huizhong Jeomchimchang)	
2:10 PM	Large Area (LA): Smoking Large Area Advanced Packaging Through Epitaxial-Like Metal Layer Deposition (Vincent Gouttenoire - Alsta) (Vincent - Lucas - Alsta)	Characterization, Testing, and Failure Analysis (CT): Optical Characterization of the Growth of Ultra-Thin Metal Films (Oleg Zabeda - Polytechnique Montreal)		HiPIMS: Machine Learning Discharge Operators by Pulse Sequencing in Reactive Sputtering Processes (Erdong Chen - Tokyo Metropolitan University)	
2:30 PM	20-minute break				
2:50 PM	Sunset Meeting Forums				
3:00 PM	SMF: Advanced Deposition Coating Hardware Frank Papa (IDP Plasma, LLC) / Ralf Bandorf (Fraunhofer-IST) Long Beach Convention Center Promenade: 102 A SMF: Advanced Multifunctional Coatings: Integrating Vacuum and Electrochemical Deposition L. Magagnin (Politecnico Milano) / J. Alami (UMAP) Long Beach Convention Center Promenade: 102 B SMF: Materials for PVD processes David Sanchez / Christos Pernagidis (Avalsuve) Long Beach Convention Center Promenade: 102 C SMF: Characterization, Testing and Failure Analysis of Thin Films, Coatings and Engineered Surfaces Matt Linford (Brigham Young University) / Oleg Zabeda (Ecole Polytechnique Montreal) / Oleksa-Yang (Oleksa) Hyatt Regency: SeaView Ballroom B SMF: Large-Area Advanced Packaging and Integrated Photonics Patrick Morse (Arizona Thin Film Research, LLC) / Michaela Jungblittner (Fraunhofer-ASSIST) Hyatt Regency: SeaView Ballroom C				
5:30 PM	1hr 40 min Dinner Break 6:20 - 8:00 PM				
8:00 PM	Casino Night Fundraiser (Hyatt Regency - Beacon Ballroom) 8:00 - 10:00 PM				
10:00 PM					

Tuesday (April 28, 2026)

Technical Forum Breakfasts

TF8: Lab Detection - Issues and Practices
Mike Ridemer (Jacobsen USA / Jean-Pierre Delaux SKIL Redwood)
Long Beach Convention Center Promenade: 102 A

TF9: Industrial Challenges: Uptime, TtoM, & Consistency
John Neylar (Kurt J. Lesker Company) / Jimmy Haight (Semicore)
Long Beach Convention Center Promenade: 102 B

TF9: Magnetron Sputtering
Wilmett De Bouvier (Solecis Advanced Coatings) / Patrick Morse (Arizona Thin Film Research, LLC)
Long Beach Convention Center Promenade: 102 C

TF9: Process Monitoring & Control
Martynas Audronis (Nova Fabrica, Ltd.) / Edmund Schulzgi (VAT Group)
Hyatt Regency: SeaView Ballroom A

TF9: Energy Conversion and Storage
Volker Sittinger (Fraunhofer-IST) / Stefan Seager (Fraunhofer-FEP) / Ric Shimshock (MSE)
Hyatt Regency: SeaView Ballroom B

TF9: AZ-for Optics
Chris Cook (Edmund Optics) / Daniel Sanchez
Hyatt Regency: SeaView Ballroom C

7:30 AM	UKC Promenade 104A (Program track daily room assignment)	UKC Promenade 104B (Program track daily room assignment)	UKC Promenade 105C (Program track daily room assignment)	UKC Promenade 101A (Program track daily room assignment)	UKC Promenade 101B (Program track daily room assignment)
8:00 AM	10-minute passing break				
8:10 AM	Awards Ceremony (UKC Promenade 104B) 8:40-9:20 AM				
9:20 AM	10-minute passing break				
9:30 AM	Advanced Multifunctional Coatings (AmMC): Powder Atomic Layer Deposition and Low Temperature Sol-Gel Coatings for Lithium Ion Batteries (Christopher Ewing - Forge Nano)	Organic and Perovskite Electronics (OnE): Achieving Ground-Breaking Performance in Perovskite Thin Films by Physical Vapor Deposition (Jay Patel - King's College London)	Process Monitoring, Control, and Automation (PC): From Legacy to Industry 4.0: Retrofitting Sensor Clusters with Edge Control Workflows (Marcus Kleiner - Sulzbach GmbH)	HiPIMS (HP): Industrial HiPIMS - Practical Challenges, Trends and Innovations (Rafael Gonzalez Rodriguez - Ionautics)	Thin Film Contributions for the Hydrogen Economy (Invited): Hydrogen Barrier Based Opportunities and Challenges in Coating Solutions for Industrial-Scale Up (Mathilde Rapicavoli - Schaeffler Technology)
9:50 AM		Organic and Perovskite Electronics (OnE): Cross-Processing Approaches for Perovskite Photovoltaics (Pierre Eperoniaux - University of Toledo)	Process Monitoring, Control, and Automation (PC): Automation Pyramid Meets Edge Intelligence: Practical Architectures for Sensor Integration (Marcus Kleiner - Sulzbach GmbH)	HiPIMS (HP): 3D MALL With Capacitively Coupled Plasma Etching Following Laser Modification to Form Through-Glass Via (Tsung-Hao Chen - Deng Chia University)	
10:10 AM		Organic and Perovskite Electronics (OnE): Cross-Processing Approaches for Perovskite Photovoltaics (Pierre Eperoniaux - University of Toledo)	Process Monitoring, Control, and Automation (PC): Edge Computing Architectures for Real-Time Process Control (Marlynn Anderson - Nova Fabrica Ltd)	HiPIMS (HP): HiPUL5® – Pulsed Arc PVD Hybrid Coatings on Inner Surface of Small Diameter Long Tubing (Jan Bichelhaus - Sulzer Leipzig)	Thin Film Contributions for the Hydrogen Economy (Invited): Hydrogen Barrier Based Opportunities and Challenges in Coating Solutions for Industrial-Scale Up (Mathilde Rapicavoli - Schaeffler Technology)
10:30 AM		Organic and Perovskite Electronics (OnE): Cross-Processing Approaches for Perovskite Photovoltaics (Pierre Eperoniaux - University of Toledo)	Process Monitoring, Control, and Automation (PC): Edge Computing Architectures for Real-Time Process Control (Marlynn Anderson - Nova Fabrica Ltd)		Thin Film Contributions for the Hydrogen Economy (Invited): Hydrogen Barrier Based Opportunities and Challenges in Coating Solutions for Industrial-Scale Up (Mathilde Rapicavoli - Schaeffler Technology)
10:50 AM	20-minute refreshment break				
11:10 AM	Advanced Multifunctional Coatings (AmMC): Composition-Adjusted Nanolaminate Coatings of Cr and Cr0 Coatings Insights from Electrochemical and Processed Methods (Rachel Diehl - TU Wien)	Organic and Perovskite Electronics (OnE): Solution Processed Perovskite Photodetectors (Pierre Eperoniaux - University of Toledo)	Process Monitoring, Control, and Automation (PC): Real-Time Contaminant Particle Monitoring Using Thin Film Deposition Processes for Improved Production Yields (Kyleen Cuykendall - IPM)	HiPIMS (HP): Beyond Traditional High Power Impulse Magnetron Sputtering (Joan Wojcieszak - Tecnalia)	Thin Film Contributions for the Hydrogen Economy (Invited): Hydrogen Barrier Based Opportunities and Challenges in Coating Solutions for Industrial-Scale Up (Mathilde Rapicavoli - Schaeffler Technology)
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12:10 PM	20-minute refreshment break				
12:30 PM	Advanced Multifunctional Coatings (AmMC): Stabilizing Diffusion Metal Anodes with Ceramic Nanoparticle-Filled Composite Solid Electrolytes (Shuhong Liu - Northeastern University China)	Organic and Perovskite Electronics (OnE): High Voltage-Driven Electrochromic Devices Based on Perovskite Halides (Nadia Grobman - King's College London) (Nadia Grobman - King's College London) (Nadia Grobman - King's College London) OPPORTUNITY STUDENT PRESENTATION	Process Monitoring, Control, and Automation (PC): Beyond Control Charts: Multivariate Monitoring for Atomic Scale Deposition (Shahryar Ahmadi - Nova Fabrica Ltd)	HiPIMS (HP): Beyond Traditional High Power Impulse Magnetron Sputtering (Joan Wojcieszak - Tecnalia)	Thin Film Contributions for the Hydrogen Economy (Invited): Hydrogen Barrier Based Opportunities and Challenges in Coating Solutions for Industrial-Scale Up (Mathilde Rapicavoli - Schaeffler Technology)
12:50 PM		Organic and Perovskite Electronics (OnE): High Voltage-Driven Electrochromic Devices Based on Perovskite Halides (Nadia Grobman - King's College London) (Nadia Grobman - King's College London) (Nadia Grobman - King's College London) OPPORTUNITY STUDENT PRESENTATION	Process Monitoring, Control, and Automation (PC): Beyond Control Charts: Multivariate Monitoring for Atomic Scale Deposition (Shahryar Ahmadi - Nova Fabrica Ltd)		Thin Film Contributions for the Hydrogen Economy (Invited): Hydrogen Barrier Based Opportunities and Challenges in Coating Solutions for Industrial-Scale Up (Mathilde Rapicavoli - Schaeffler Technology)
1:10 PM	Exhibitor Innovator Showcase (EIS): Nanofiber Coatings Enhance Thermal Management in Electronic Devices (Ryan Gilliard - Ultra Tech)	Organic and Perovskite Electronics (OnE): Perovskite Co-Deposition Via Dry Coating (Jh Tan - University of Oxford)	Process Monitoring, Control, and Automation (PC): Beyond Control Charts: Multivariate Monitoring for Atomic Scale Deposition (Shahryar Ahmadi - Nova Fabrica Ltd)	HiPIMS (HP): Beyond Traditional High Power Impulse Magnetron Sputtering (Joan Wojcieszak - Tecnalia)	Thin Film Contributions for the Hydrogen Economy (Invited): Hydrogen Barrier Based Opportunities and Challenges in Coating Solutions for Industrial-Scale Up (Mathilde Rapicavoli - Schaeffler Technology)
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2:10 PM	Exhibitor Innovator Showcase (EIS): Nanofiber Coatings Enhance Thermal Management in Electronic Devices (Ryan Gilliard - Ultra Tech)	Organic and Perovskite Electronics (OnE): Perovskite Co-Deposition Via Dry Coating (Jh Tan - University of Oxford)	Process Monitoring, Control, and Automation (PC): Edge Computing Architectures for Real-Time Process Control (Marlynn Anderson - Nova Fabrica Ltd)		
2:30 PM	10:00 AM Exhibitor B2B Coffee Hour 11:00 AM Exhibit Hall Opens				
2:40 PM	2:30 - 4:30 PM Poster Session				
2:50 PM	P2/TF8 (P1): Fabrication and Characterization of Molybdenum Oxide Thin Films for Solar Energy Applications (Bassel Abdel Sattard - Université de Monctonl)				
3:00 PM	P2/TF8 (P2): Atmospheric Plasma Beam Printing of the Silicon Anodes and Lamination of Carbon Nanofiber Cathodes for Lifa (Tsai Qiaohua - Nanocoating Plasma Systems)				
3:10 PM	P2/TF8 (P3): Front Contacts (TCO/Ag/Cu) Engineering for High Efficiency CdTe Based Solar Cells on Ultra-Thin Cover Glass (Anisha Paker - University of Toledo) SPONSORED STUDENT PRESENTATION				
3:20 PM	P2/TF8 (P4): Thick Metal Coatings on Glass Mo Interphase for Improved Performance of Advanced Manufacturing Ultra Shallow - Low Alumina Reduced Substrate(s)				
3:30 PM	P2/TF8 (P5): Influence of P-Beam Evaporation Parameters on Coating Phase Transformation (Bun Liu - Northeastern University China)				
3:40 PM	P2/TF8 (P6): Study on the Bond Strength of Flexible Film Substrate (Kun Liu - Northeastern University China)				
3:50 PM	10:00 AM Exhibit Hall Closes				
4:00 PM	Welcome Reception (Exhibit Hall) 5:00 - 6:00 PM				
6:00 PM	Exhibit Hall Closes: 6:00 PM				

Wednesday (April 29, 2026)

TAC Breakfast Meetings

(1) Large Area Coatings TAC | (2) Large Area Advanced Packaging and Integrated Photonics TAC
Long Beach Convention Center Promenade: 101 A

(3) High Power Impulse Magnetron Sputtering (HiPIMS) TAC | (4) Protective, Tribological, and Decorative Coatings TAC | (5) Thin Film Contributions for the Hydrogen Economy TAC
Long Beach Convention Center Promenade: 101 B

(6) Plasma Processing and Diagnostics TAC | (7) Advanced Multifunctional Coatings TAC
Long Beach Convention Center Promenade: 101 C

(8) Wafer Roll-to-Roll Technologies and Innovation TAC | (9) Emerging and Transformational Technologies and Applications TAC
Hyatt Regency: SeaView Ballroom A

(10) Optical Coatings TAC | (11) Photonically Induced Transformations of Thin Films and Surfaces TAC
Long Beach Convention Center Promenade: 101 B

(12) Electron Beam Processes TAC | (13) Coatings for Energy Conversion and Related Processes TAC
Hyatt Regency: SeaView Ballroom B

(14) Advanced Multifunctional Coatings TAC | (15) Advances in Thin Film Sensor Technologies TAC
Hyatt Regency: SeaView Ballroom C

(16) Digital Transformation through AI, Machine Learning, Simulation and Data Science TAC | (17) Process Monitoring Control and Automation TAC
Hyatt Regency: SeaView Ballroom D

(18) Characterization, Testing, and Failure Analysis of Thin Films TAC | (19) Coatings and Processes for Biomedical Applications TAC
Hyatt Regency: Shoreline A

(20) Organic and Perovskite Electronics TAC | (21) Quantum Computing TAC
Hyatt Regency: Shoreline B

7:30 AM	UKC Promenade 104A (Program track daily room assignment)	UKC Promenade 104B (Program track daily room assignment)	UKC Promenade 105C (Program track daily room assignment)	UKC Promenade 101A (Program track daily room assignment)	UKC Promenade 101B (Program track daily room assignment)
8:00 AM	10-minute passing break				
8:10 AM	Keynote (UKC Promenade 104B) Femto-Resonant Optical Coatings and Applications (Chunlei Guo - University of Rochester)				
9:00 AM	10-minute passing break				
9:10 AM	Exhibitor Innovator Showcase (EIS): The Benefits of Moving Plasma Field Source Technology (Lara Manno Olac - Sencos Ltd)	Emerging and Transformational Technologies (ET): Metal Oxide Nanomaterials for High Tech Coating Applications (Frank Shroyer - Stratum Consulting)	Process Monitoring, Control, and Automation (PC): Real-Time Contaminant Particle Monitoring Using Thin Film Deposition Processes for Improved Production Yields (Kyleen Cuykendall - IPM)	Optical Coatings (OC): Active Microstructural Optimization and Stress Engineering of Sputtered Optical Coatings (Ludvik Martinu - Polytechnique Montreal)	Large Area Advanced Packaging and Integrated Photonics (Invited): Fan-Out Wafer Level Packaging (Manuela Jungblittner - Fraunhofer ISW-ASSIST)
9:30 AM		Emerging and Transformational Technologies (ET): Metal Oxide Nanomaterials for High Tech Coating Applications (Chris Stoessel - Stoessel Consulting)	Process Monitoring, Control, and Automation (PC): Optical-In-Situ Metrology for Characterization, Testing, and Failure Analysis of Sputtered Thin Films and Engineered Coatings (Ralph Bubenheim - Surface Nex)	Optical Coatings (OC): Turnable Broadband Optical Properties of Titanium Magnetron Sputtering Nitride Films Based on Substrate Equivalent Film Effects On Its Far Infrared (Liang Lei - Air Force Research Laboratory)	
9:50 AM		Emerging and Transformational Technologies (ET): Engineering Solutions for High Speed Roll-to-Roll Vacuum Deposition Scalable Manufacturing of Functional and Energy Related Films Making "1" Big Thing Starting Small (Vincent Tochterman - Tecnalia)	Process Monitoring, Control, and Automation (PC): Real-Time Contaminant Particle Monitoring Using Thin Film Deposition Processes for Improved Production Yields (Kyleen Cuykendall - IPM)	Optical Coatings (OC): Turnable Broadband Optical Properties of Titanium Magnetron Sputtering Nitride Films Based on Substrate Equivalent Film Effects On Its Far Infrared (Liang Lei - Air Force Research Laboratory)	Large Area Advanced Packaging and Integrated Photonics (Invited): Fan-Out Wafer Level Packaging (Manuela Jungblittner - Fraunhofer ISW-ASSIST)
10:10 AM		Emerging and Transformational Technologies (ET): Engineering Solutions for High Speed Roll-to-Roll Vacuum Deposition Scalable Manufacturing of Functional and Energy Related Films Making "1" Big Thing Starting Small (Vincent Tochterman - Tecnalia)	Process Monitoring, Control, and Automation (PC): Edge Computing Architectures for Real-Time Process Control (Marlynn Anderson - Nova Fabrica Ltd)	Optical Coatings (OC): Ultra-Low Cutting Temperature Deposition of Ta2O5 Optical Coatings Using Electron Beam Evaporation Assisted Large Ionical Current (Yuhao Zhang - Fraunhofer Institute - Tubraka)	Large Area Advanced Packaging and Integrated Photonics (Invited): Fan-Out Wafer Level Packaging (Manuela Jungblittner - Fraunhofer ISW-ASSIST)
10:30 AM	20-minute refreshment break				
10:50 AM	Exhibitor Innovator Showcase (EIS): Tungsten and Molybdenum Sputtering Targets for Semiconductor and Advanced Coating Applications (Ericka Franke - Plansee SE)		Process Monitoring, Control, and Automation (Invited): Beyond Sensor Gauges: Data Strategy, Governance, and Trust in Manufacturing Analytics (Caspar Christensen - Sensor4.0)	Optical (Invited): Microstructural Optimization and Stress Engineering of Sputtered Optical Coatings (Ludvik Martinu - Polytechnique Montreal)	Large Area Advanced Packaging and Integrated Photonics (Invited): Fan-Out Wafer Level Packaging (Manuela Jungblittner - Fraunhofer ISW-ASSIST)
11:10 AM			Process Monitoring, Control, and Automation (Invited): Beyond Sensor Gauges: Data Strategy, Governance, and Trust in Manufacturing Analytics (Caspar Christensen - Sensor4.0)	Optical (Invited): Recent Innovations in Optical Coating Design Software (Michael Trubetskov - VIP Studio GmbH)	Large Area Advanced Packaging and Integrated Photonics (Invited): Fan-Out Wafer Level Packaging (Manuela Jungblittner - Fraunhofer ISW-ASSIST)
11:30 AM			Process Monitoring, Control, and Automation (Invited): In Vacuum Or Not? Choosing Metrology for Reproducibility in Deposition Coating Applications (Jan Peter Urbach - PLASUS GmbH)		Large Area Advanced Packaging and Integrated Photonics (Invited): Fan-Out Wafer Level Packaging (Manuela Jungblittner - Fraunhofer ISW-ASSIST)
11:50 AM				Optical Coatings and Thin Film Nanophotonics (Mohamed Elbakkari - University of Arizona)	
12:10 PM	9:00 AM Exhibitor Meeting 10:00 AM Exhibit Hall Opens				
12:30 PM	2:00 PM Beer Blast				
1:00 PM	3:00 PM Announce: 5 K Run Winner & Best Poster				
1:30 PM	Exhibit Hall Closes at 4:00 PM				
2:00 PM	Free Time 4:00 - 5:30 PM				
2:30 PM	TAC Program Meeting (Hyatt Regency Shoreline A/B) 5:30 - 7:30 PM				

Thursday (April 30, 2026)

Technical Forum Breakfasts

TF8: Surface Engineering for Air and Liquid Filtration
Ralf Bandorf (Fraunhofer-IST) / Herbert Gaertner (PVT Plasma und Vakuum Technik GmbH)
Long Beach Convention Center Promenade: 102 A

TF8: Protective, Reflective, and Decorative Coatings
Martin Engels (Ionbond) / Anas Ghariane (Avalone)
Long Beach Convention Center Promenade: 102 B

TF8: Digital Transformation of Industrial Deposition Processes
Holger Gerdes (Fraunhofer-IST) / Thomas Schaffer (Plasus GmbH)
Long Beach Convention Center Promenade: 102 C

TF8: Optical Thin Film Design
Jay Anderfaller (Ion Beam Applications) / Paul Chern (USA)
Hyatt Regency: SeaView Ballroom A

TF8: Aligning Deposition Process Requirements with Vacuum System Layout and Design
Wolfgang Decker (Kurt J. Lesker Company) / Jimmy Haight (Semicore)
Hyatt Regency: SeaView Ballroom B

TF8: Electron Beam Processes
Stefan Seager (Fraunhofer-FEP) / Francisco Neuroza (Iron Arderne)
Hyatt Regency: SeaView Ballroom C

7:30 AM	UKC Promenade 104A (Program track daily room assignment)	UKC Promenade 104B (Program track daily room assignment)	UKC Promenade 105C (Program track daily room assignment)	UKC Promenade 101A (Program track daily room assignment)	UKC Promenade 101B (Program track daily room assignment)
8:00 AM	10-minute passing break				
8:10 AM	Keynote (UKC Promenade 104B) Plasma Technologies for Precision and Large-Scale Surface Engineering (Elizabeth von Hauff - Fraunhofer FEP)				
9:00 AM	10-minute passing break				
9:10 AM	Electron Beam Processes (EBP): High Aspect Ratio Advanced 3D PVD for Graphene Metal Composite Bipolar Plates (Stefan Seager - Fraunhofer IST)	Atomic Layer Processing (ALP): Directional Atomic Layer Deposition Enhancement Using Remote Plasma Chemistry (Ande Minesh - Cadence)	Digital Alternatives (DIT): Machine Learning Guided Design Throughput Optimization and Physical Property Prediction for HiPIMS Ionization-Assisted Organic Thin Film Deposition (Zhenxing Li - University of Oxford)	Optical (OT): Linear Ion Beam for High Rate Reactive Sputtering (Ward Wesselman - IBA BE), Inc.)	OverFlow (OF)
9:30 AM	Electron Beam Processes (EBP): Vacuum Arrival Gauge and Beam Measurement Instruments in Equipment and Process Metrology for 193i and Beyond (Jack Scholl - SAN-EMSI Group)		Digital Alternatives (DIT): Cost & Product Time Predictions Based Upon Historical Data to Predictive Process Windows (Peter Lehl - TRUMPF Huettinger GmbH + Co. KG)	Optical (OT): Revolutionizing Optical Coating Achieving Higher Deposition Rates and Process Stability with Bipolar BOP Technology (Ron Dunn - TRUMPF Huettinger GmbH + Co. KG)	
9:50 AM			Digital Alternatives (DIT): Easy Predictive Maintenance using Machine Learning (Holger Gerdes - Fraunhofer-IST)	Optical (Invited): State of the Art of Innovations 3D Coatings Improvements for the Gravitational Wave Detectors and Other Applications (Laurent Pinard - Laboratoire des Matériaux Avancés - CNRS)	
10:10 AM			Digital Alternatives (DIT): Reducing Downtime and Scrap Through Automated Coating Through AI (Jim Brickley - Sencos Ltd)		Protective, Trib