

AEROMAT | 2025

MAY 6-8, 2025 | VANCOUVER, CANADA



**INNOVATIONS IN MATERIALS ENGINEERING: SHAPING
THE FUTURE OF THE AEROSPACE INDUSTRY**

CO-LOCATED WITH:



SYMPOSIUM ORGANIZERS



CONFERENCE ORGANIZING COMMITTEE

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Sabine Spangel, Novelis

Pantcho Stoyanov, Concordia University

Allen Wilson, Boeing

Michael Windisch, MT Aerospace

GENERAL INFORMATION

BADGE PICK-UP & REGISTRATION

Vancouver Convention Centre – Hall B Foyer

Sunday, May 4 | 4:00 – 6:00 p.m.

Monday, May 5 | 7:00 a.m. – 5:30 p.m.

Tuesday, May 6 | 7:00 a.m. – 5:30 p.m.

Wednesday, May 7 | 7:30 a.m. – 5:00 p.m.

Thursday, May 8 | 7:30 a.m. – 12:00 p.m.

EXHIBITION DATES & TIMES

Vancouver Convention Centre – East Halls AB

Tuesday, May 6 | 9:30 a.m. – 7:00 p.m.

Wednesday, May 7 | 9:00 a.m. – 4:00 p.m.

LUNCH

Vancouver Convention Centre – East Halls AB

Included for full conference registrants only

Tuesday, May 6 | 12:00 – 1:30 p.m.

Wednesday, May 7 | 12:00 – 1:00 p.m.

REFRESHMENT BREAKS

Vancouver Convention Centre – East Halls AB

Tuesday, May 6 | 9:30 – 10:30 a.m.

Tuesday, May 6 | 3:00 – 3:30 p.m.

Wednesday, May 7 | 10:00 – 10:30 a.m.

Wednesday, May 7 | 2:45 – 3:00 p.m.

SOCIAL MEDIA

We encourage all attendees to share their experiences on LinkedIn and other social media platforms using the hashtag **#AEROMAT2025**. Whether you're posting insights from keynote sessions, highlights from networking events, or photos of your favorite moments, your posts help expand the reach and impact of our conference. Let's create a vibrant online community by connecting and engaging with fellow participants both during and after the event!



MOBILE APP

Download the official event app for Apple and Android devices by searching '**AEROMAT/ITSC/QDE**'.

Access these features on your smartphone:

- Search exhibitors, view profiles, and request meetings
- Locate booths on the floor plan
- Browse the technical schedule for presentations
- Create an itinerary and review saved exhibitors/presentations
- Search for speakers and connect with attendees

SPECIAL NOTE: the only way to view the full technical program is via the mobile app or the event websites.



WELCOME

As the chair of the organizing committee, I am honored to welcome you to the 36th annual edition of Aeromat, the premier international conference on Aerospace Materials and the 1st edition outside the United States. This year, we have the fortunate opportunity to be located in beautiful Vancouver, British Columbia and will be showcasing some of the exceptional talent and contributions from Canada.

The theme for this year's Aeromat conference is "Innovations in Materials Engineering: Shaping the Future of the Aerospace Industry". I am pleased that we, as experts and professionals from industry, academia, and governmental organizations, are able to come together again to share and discuss the latest advances in the field of aerospace materials.

Each year we are able to offer top notch programming, and this year we continue to bolster that reputation. Firstly, the conference will feature keynote presentations from commercial aircraft manufacturer Airbus Canada and the National Aeronautics and Space Administration (NASA), along with a world-renowned expert on Friction Stir Technologies sharing career-long experiences. The organizing committee has approved 120 abstracts for presentation within concurrent sessions by experts across the aerospace industry, and academia, highlighting developments in advanced high-performance materials and manufacturing processes including those addressing cost improvements and sustainability. Included, in addition to well-known and anticipated session topics, will be five special sessions specific to collaborative work between the German Aerospace Center (DLR) and the University of British Columbia. A panel discussion will explore opportunities and challenges of the emerging Advanced Air Mobility sector and feature experts actively engaged in this revolutionary endeavor. Our co-location with Aerotech, the International Thermal Spray Conference (ITSC) and the Quench and Distortion Engineering conference (QDE) enables access to over 400 presentations and networking with 2500 colleagues.

So many talented colleagues worked hard to make this conference a success. I would like to acknowledge our sponsors, Kathy Murray - ASM Global Conference Manager, Stefanie Bourbon - ASM Global Event Planner, Lindy Good - ASM Global Exhibit Manager, members of the organizing committee, session chairs, as well as this year's Vice-Chair Christian Rueckert - Airbus and Technical Chair Jason Scheuring - Kaiser Aluminum. Former Chairs Matthias Miermeister, Julien Boselli and Jeff Grabowski have contributed substantially again this year. Without this amazing team the Aeromat conference would not be possible.

I look forward to seeing you all, and hopefully meeting many of you, during a successful conference in Vancouver!

Paul Smith, Constellium

Chair of Organizing Committee 2025

AEROMAT SCHEDULE AT A GLANCE

Sunday, May 4, 2025		
4:00 - 6:00 p.m.	Conference Registration Open	Hall B Foyer
Monday, May 5, 2025		
7:00 a.m. - 5:30 p.m.	Conference Registration Open	Hall B Foyer
8:00 a.m. - 5:00 p.m.	Exhibit Hall Set-up (EXHIBITORS)	Exhibit Hall - East Hall AB
Tuesday, May 6, 2025		
7:00 a.m. - 5:30 p.m.	Conference Registration Open	Hall B Foyer
7:30 - 8:30 a.m.	Session Chair Briefing	Room 6
8:00 a.m. - 5:00 p.m.	AeroMat Technical Programming	Ballroom A, Rooms 1, 7, 9, 14, 16
9:30 a.m. - 7:00 p.m.	Exhibit Hall Open	Exhibit Hall - East Hall AB
10:00 - 10:30 a.m.	Refreshment Break Open in Exhibit Hall	Exhibit Hall - East Hall AB
10:00 - 10:45 a.m.	AeroMat Keynote: Rajiv S. Mishra, University of North Texas	Exhibit Hall - East Hall AB - Industry Forum
11:30 a.m. - 1:30 p.m.	Lunch Open in Exhibit Hall	Exhibit Hall - East Hall AB
1:30 - 2:15 p.m.	ITSC Keynote: Hugo Hernandez-Alvarez, PHD, Peng, Blue Origin	Exhibit Hall - East Hall AB - Industry Forum
2:15 - 3:00 p.m.	AeroMat Keynote: Bertrand Duthille, Airbus Canada	Exhibit Hall - East Hall AB - Industry Forum
3:00 - 3:30 p.m.	Refreshment Break Open in Exhibit Hall	Exhibit Hall - East Hall AB
5:00 - 7:00 p.m.	Welcome Reception with Exhibitors & Poster Session	Exhibit Hall - East Hall AB
Wednesday, May 7, 2025		
7:30 a.m. - 5:00 p.m.	Conference Registration Open	Hall B Foyer
7:30 - 8:30 a.m.	Session Chair Briefing	Room 6
8:00 a.m. - 5:30 p.m.	AeroMat Technical Programming	Ballroom A, Rooms 1, 7, 9, 14, 15, 16
9:00 a.m. - 4:00 p.m.	Exhibit Hall Open	Exhibit Hall - East Hall AB
10:00 - 10:30 a.m.	Refreshment Break Open in Exhibit Hall	Exhibit Hall - East Hall AB
10:30 - 12:00 p.m.	Panel Discussion: Emergence of Advanced Air Mobility: Opportunities and Challenges	Exhibit Hall - East Hall AB - Industry Forum
11:30 a.m. - 1:30 p.m.	Lunch Open in Exhibit Hall	Exhibit Hall - East Hall AB
2:45 - 3:30 p.m.	Refreshment Break Open in Exhibit Hall	Exhibit Hall - East Hall AB
3:00 - 3:45 p.m.	AeroMat Keynote: Julien Boselli, Blue Origin	Exhibit Hall - East Hall AB - Industry Forum
4:00 - 9:00 p.m.	Exhibit Hall Teardown	Exhibit Hall - East Hall AB
5:45 p.m.	Shuttles depart from the Vancouver Convention Centre starting at 5:45 p.m.	Vancouver Convention Center
6:30 - 9:30 p.m.	Networking Event at Grouse Mountain (joint with AeroMat, Aerotech and QDE 2025) -- SOLD OUT	Grouse Mountain
Thursday, May 8, 2025		
7:30 a.m. - 12:00 p.m.	Conference Registration Open	Hall B Foyer
7:30 - 8:30 a.m.	Session Chair Briefing	Room 6
8:00 a.m. - 12:00 p.m.	AeroMat Technical Programming	Ballroom A, Rooms 1, 7, 14, 15, 16
12:00 p.m.	Conference Adjourns	

*as of April 29, 2025

AEROMAT TECHNICAL PROGRAM

Sustainability and Recycling I	UBC & DLR - Biogenic Structural and Functional Materials	Light Alloy Technology I	Additive Manufacturing I
<p>Tuesday, May 6, 2025 8:00 AM-10:00 AM Meeting Room: Room 7</p> <p>8:00 AM</p> <p>Aluminum Solutions to improve Sustainability in the Aerospace Industry: S. Spangel, Novelis Koblenz GmbH, Koblenz, Rheinland-Pfalz, Germany</p> <p>8:30 AM</p> <p>Digital Material Passports - Key Enabling Elements to improve Quality, Sustainability and Circular Economy: A. Hofmann, Advanced-Materials-Concepts GmbH, 81371 Munich, Bavaria, Germany</p> <p>9:00 AM</p> <p>Adhesive Bonding in Cryogenic Conditions : A. Pagliuca, 3M Aerospace, Bracknell, United Kingdom</p> <p>9:30 AM</p> <p>Materials Challenges for Sustainability in Reusable Space Launch Systems: T. N. Ackerson, Enterprise Engineering, Blue Origin, Merritt Island, FL</p>	<p>Tuesday, May 6, 2025 8:00 AM-10:00 AM Meeting Room: Room 9</p> <p>8:00 AM</p> <p>Opening Session - 10 years of DLR&UBC -A long term German-Canadian Strategic Cooperation: Mark Eichhorn, Consul General Germany in BC. And Annoush Pousareip, Heinz Voggenreiter</p> <p>9:00 AM</p> <p>Biomass derived antimicrobial cellulose aerogels as an alternative to fossil-based plastic materials and theoretical studies of gel structure formation: N. Borzecka, Institute of Materials Research (WF-AEG), German Aerospace Center (DLR), Cologne, NRW, Germany</p> <p>9:30 AM</p> <p>DEVELOPMENT OF ORGANIC AEROGELS CONTAINING CHITOSAN BIO-POLYMER FROM EUROPEAN GREEN CRAB (EGC) SHELLS: M. Barrett, Engineering, The University of British Columbia, Kelowna, BC, Canada</p>	<p>Tuesday, May 6, 2025 8:00 AM-10:00 AM Meeting Room: Room 14</p> <p>8:00 AM</p> <p>Scandium additions in high-performance aluminum alloys for aerospace applications: T. J. Langan, Sunrise Energy Metals, Melbourne, VIC, Australia</p> <p>8:30 AM</p> <p>The Utilization of Extrusions for Aerospace Applications: S. Babaniaris, Universal Alloy Corporation Europe, Tautii Magheraus, Maramures, Romania</p> <p>9:00 AM</p> <p>2074 Sheet – Next Generation Low Density AIRWARE® Sheet for Fuselage Applications: S. Buchwald, Constellium Aerospace and Transportation, Ravenswood, WV</p> <p>9:30 AM</p> <p>Development of a Stretch Forming Process for 2055 Al Li Fuselage Frames: J. Beckman, Advanced Structures and Materials Initiative, Gulfstream Aerospace, Savannah, GA</p>	<p>Tuesday, May 6, 2025 8:00 AM-9:00 AM Meeting Room: Room 16</p> <p>8:00 AM</p> <p>DED & SLM Processing Applications at MT Aerospace: M. Windisch, ES, MT Aerospace, Augsburg, Germany</p> <p>8:30 AM</p> <p>Modelling Microstructure of Additive Manufactured Metal Parts: J. Jakumeit, Access e.V., Intzestr, Aachen, AL</p>

Sustainability and Recycling (Continued)	UBC & DLR - Biogenic Structural and Functional Materials (Continued)	Light Alloy Technologies (Continued)	Additive Manufacturing I (Continued)
<p>Tuesday, May 6, 2025 11:00 AM-12:30 PM Meeting Room: Room 7</p> <p>11:00 AM</p> <p>THE FUTURE OF AEROSPACE MANUFACTURING AND THE ROLE OF ADVANCED MATERIALS: T. Gaur, Airbus, Herndon, VA</p> <p>11:30 AM</p> <p>Effect of Sustainable Aviation Fuel (SAF) on the volume variation of nitrile elastomers: E. K. de Oliveira, Materials and Structures Engineering, Embraer SA, São José dos Campos, São Paulo, Brazil</p> <p>12:00 PM</p> <p>Data and decision science-driven assessment of sustainable materials for thermal protection in aerospace: T. Jayaraman, Department of Mechanical Engineering, United States Air Force Academy, Colorado Springs, CO</p>	<p>Tuesday, May 6, 2025 11:00 AM-12:00 PM Meeting Room: Room 9</p> <p>11:00 AM</p> <p>Impact of Weak Organic Acids as Coagulants on Tailoring the Properties of Cellulose Aerogel Beads: B. Milow, Institute of Materials Research (WF-AEG), German Aerospace Center (DLR), Cologne, NRW, Germany</p> <p>11:30 AM</p> <p>Porous Carbon Materials for Electrochemical Applications: B. Milow, Institute of Materials Research (WF-AEG), German Aerospace Center (DLR), Cologne, NRW, Germany</p>	<p>Tuesday, May 6, 2025 11:00 AM-12:30 PM Meeting Room: Room 14</p> <p>11:30 AM</p> <p>USE OF HIGH-PERFORMANCE MATERIALS BY SMART ASSEMBLY AND FORMING TECHNIQUES: F. Eberl, Constellium Aerospace & Transportation, Issoire, France</p> <p>12:00 PM</p> <p>Aluminum alloys for high temperature application: H. Godin, Constellium C-TEC, Voreppe, France</p>	<p>Tuesday, May 6, 2025 11:00 AM-12:00 PM Meeting Room: Room 16</p> <p>11:00 AM</p> <p>Developing Additively Manufactured Engine Parts for Small Launch Vehicles and Reusable Launch Vehicles: K. O. Lee, Small Launcher R&D Office, Korea Aerospace Research Institute, Daejeon, Daejeon, Korea, Republic of (South)</p> <p>11:30 AM</p> <p>Developing Aerospace High Strength Aluminum AFSD Process for Critical Defense Parts: J. Swanson, ASTRO America, Moline, IL</p>

Advances in Coatings and Surface Modification I	UBC & DL -Accelerated Sustainable Materials Design I	Light Alloy Technology II	Additive Manufacturing II
<p>Tuesday, May 6, 2025 3:30 PM-5:00 PM Meeting Room: Room 7</p> <p>3:30 PM</p> <p>A Novel Approach for Applying 2K Coatings to Improve Outcomes and Reduce Cost: M. R. Bonner, Saint Clair Systems, Inc., Washington, MI</p> <p>4:00 PM</p> <p>Evaluation of Mechanical Properties of Thermal Spray Coatings Using Micropillar Compression Test: Y. W. Yoo, KIMS (Korea Institute of Materials Science), Changwon-si, Korea, Republic of (South)</p> <p>4:30 PM</p> <p>ANTIMICROBIAL and ADVANCE COATINGS for the AEROSPACE INDUSTRY: A. Mitchell, Luminore CopperTouch, Houston, TX</p>	<p>Tuesday, May 6, 2025 3:30 PM-5:00 PM Meeting Room: Room 9</p> <p>3:30 PM</p> <p>Transforming Mechanical Test Labs into Autonomous Knowledge Discovery Hubs: E. Breitbarth, German Aerospace Center (DLR), Cologne, Germany</p> <p>4:00 PM</p> <p>High-throughput computational screening of Aluminum alloys from scraps: K. Bugelnig, German Aerospace Center (DLR), Cologne, NRW, Germany</p> <p>4:30 PM</p> <p>Rapid assessment of the recyclability of Al alloys as a function of Fe content: Y. Wang, Materials Engineering, University of British Columbia, Vancouver, BC, Canada</p>	<p>Tuesday, May 6, 2025 3:30 PM-4:30 PM Meeting Room: Room 14</p> <p>3:30 PM</p> <p>Terran R Relativity’s Space heavy lift space launch vehicle: D. Modjahedpour, Manufacturing, Relativity Space Long Beach, Long Beach, CA</p> <p>4:00 PM</p> <p>The Fatigue Properties of Anodized Aluminum Alloys: A. Kobylinski, Loyola Marymount University, Los Angeles, CA</p>	<p>Tuesday, May 6, 2025 3:30 PM-5:00 PM Meeting Room: Room 16</p> <p>3:30 PM</p> <p>Exploring Gradient Aerospace Alloys: Modeling, Manufacturing, and Evaluation: P. Collins, Material Science and Engineering, Iowa State University, Ames, IA</p> <p>4:00 PM</p> <p>Metal Additive Manufacturing (MAM) for Critical Aerospace and Defense Components: P. K. Chaudhury, Education and Consulting LLC, Phoenix, AZ</p> <p>4:30 PM</p> <p>Performance of Rolled Threads on 3D Printed Inconel 718 and 17-4PH Stainless-Steel Hex Head Fasteners: D. Willens, Kinefac Corporation, Worcester, MA and Department of Mechanical Engineering, University of North Carolina Charlotte, Charlotte, NC</p>

Materials Characterization and Failure Analysis I	UBC & DLR -Accelerated Sustainable Materials Design II	Modeling & Simulation of Manufacturing Processes	High Temperature & Gas Turbine Materials I	Additive Manufacturing III
<p>Wednesday, May 7, 2025 8:00 AM-10:00 AM Meeting Room: Room 7</p>	<p>Wednesday, May 7, 2025 8:00 AM-9:30 AM Meeting Room: Room 9</p>	<p>Wednesday, May 7, 2025 8:00 AM-10:30 AM Meeting Room: Room 14</p>	<p>Wednesday, May 7, 2025 8:00 AM-10:00 AM Meeting Room: Room 15</p>	<p>Wednesday, May 7, 2025 8:00 AM-10:00 AM Meeting Room: Room 16</p>
<p>8:00 AM</p>	<p>8:00 AM</p>	<p>8:00 AM</p>	<p>8:00 AM</p>	<p>8:00 AM</p>
<p>Strength Prediction for Composite Parts utilizing the Material Modeling Approach: A. N. Baranowski, BCA Product Development, Boeing, Everett, WA</p>	<p>In-Situ Defect Detection in Electron Beam Powder Bed Fusion via Surface Height Reconstruction from Backscattered Electron Signals: M. Upadhyay, Materials Engineering, University of British Columbia, Vancouver, BC, Canada</p>	<p>Digital twins for accelerated materials innovation: S. R. Kalidindi, Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA</p>	<p>Novel Cr-Si Slurry Coatings for High Temperature Materials: M. Kerbstadt, High Temperature Materials, DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany</p>	<p>Printable, High Strength, Burn Resistant Nickel Superalloy Designed using ICMD Software: K. Taskin, QuesTek Innovations LLC, Evanston, IL</p>
<p>8:30 AM</p>	<p>8:30 AM</p>	<p>8:30 AM</p>	<p>8:30 AM</p>	<p>8:30 AM</p>
<p>Small-Scale Alloy Development and Industrial Scale-Up Enabled by Complementary Characterization Methods Based on the Example of a PH-Steel: M. Stadler, Research and Development, voestalpine BOEHLER Edelstahl, Kapfenberg, Styria, Austria</p>	<p>Laser Powder Bed Fusion of Titanium Aluminide Ti48-2-2: Manufacturing and Testing of Highly-Loaded Compressor Wheels: J. Haubrich, Institute of Materials Research, German Aerospace Research Center, Cologne, NRW, Germany</p>	<p>Accelerating material development with computational insights from FLOW-3D AM: G. Clyma, Flow Science Inc., Santa Fe, NM</p>	<p>Benefits of Multi-Chamber Vacuum Heat Treatment with High Pressure Gas and Oil Quenching: T. HART, SECO/VACUUM, Meadville, PA</p>	<p>Improving Manufacturing Readiness of Additive Friction Stir Deposition for Ferrous and Nickel-based Materials: L. Dean, Manufacturing Engineering, Brigham Young University, Provo, UT</p>
<p>9:00 AM</p>	<p>9:00 AM</p>	<p>9:00 AM</p>	<p>9:00 AM</p>	<p>9:00 AM</p>
<p>Profilometry-based Indentation Plastometry (PIP): A Novel Method to Support Failure Analysis in Aerospace: M. Gaiser-Porter, Plastometrex, Cambridge, Cambridgeshire, United Kingdom</p>	<p>Incorporating non-linear effects in fast semi-analytical thermal modelling of powder bed fusion: C. W. Sinclair, Department of Materials Engineering, The University of British Columbia, Vancouver, BC, Canada</p>	<p>Digital Forgings - Application of ICME and Digital Twins for the Development of Aerospace Forgings: T. Witulski, M&P Development, Otto Fuchs KG, 58540 Meinerzhagen, Germany</p>	<p>Influence of hot deformation parameters on the tensile properties of VDM Alloy 780: B. MacDonald, VDM Metals USA, LLC, Florham Park, PA</p>	<p>Alloy Prototyping in AM using the flexibility of ultrasonic atomization: B. Morończyk, Materils Science and Engineering, Warsaw University of Technology, Warsaw, Mazovian, Poland</p>
<p>9:30 AM</p>	<p>9:30 AM</p>	<p>9:30 AM</p>	<p>9:30 AM</p>	<p>9:30 AM</p>
<p>Microstructural changes and negative creep of Inconel 783: K. Mueller, Metals and Alloys, University of Bayreuth, Bayreuth, Bavaria, Germany</p>		<p>Advancing precision welding through computational modeling with FLOW-3D WELD: G. Clyma, Flow Science Inc., Santa Fe, NM</p> <p>10:00 AM</p> <p>Artificial intelligence and simulation based optimization of turbine blade manufacturing: J. Jakumeit, Access e.V., Intzestr, Aachen, AL</p>	<p>Influence of long term thermal ageing on mechanical properties for In718 & In625.: Z. OBADIA, Engineering - MP&T, Airbus Commercial Aircraft, Toulouse, Occitanie, France</p>	<p>Break Through in Metallic Properties by Additive Manufacturing: Y. Gao, Castheon Inc, Thousand Oaks, CA</p>

Tribology and Wear of Aerospace Materials	UBC & DLR -Safe and Competitive Composites Aerostructures I	Welding & Joining I	Advances in Coatings and Surface Modification II	Additive Manufacturing IV
<p>Wednesday, May 7, 2025 1:00 PM-2:00 PM Meeting Room: Room 7</p> <p>1:00 PM</p> <p>THE ASTONISHING DIVERSITY IN THE WORLD OF 2D MATERIALS - LESSONS LEARNED FROM MXENES AND TRANSITION METAL CARBO CHALCOGENIDES FOR SOLID LUBRICATION: C. Gachot, Research Unit Tribology, Technische Universität Wien, Vienna, Vienna, Austria</p> <p>1:30 PM</p> <p>Influence of WC12Co on the Microstructure and Tribological Performance of HVAF-Sprayed AlCoCrFeNi High Entropy Alloy Coating: P. Patel, Department of Mechanical, Industrial and Aerospace Engineering, Concordia University, Montréal, QC, Canada</p>	<p>Wednesday, May 7, 2025 1:00 PM-2:30 PM Meeting Room: Room 9</p> <p>1:00 PM</p> <p>Challenges in Predicting the Energy Absorption of Composite Materials under Axial Crush Loading: R. Vaziri, Civil Engineering, The University of British Columbia, Vancouver, BC, Canada</p> <p>1:30 PM</p> <p>Investigation of Crystallisation Kinetics of Thermoplastic Composites: S. Nowotny, Institute of Structures and Design, German Aerospace Center (DLR e.V.), Stuttgart, Baden-Württemberg, Germany</p> <p>2:00 PM</p> <p>TOWARDS MODEL-BASED CONTINUOUS RESISTANCE WELDING OF CARBON FIBRE SPECIMENS: J. Barroeta Robles, National Research Council, Montreal, QC, Canada</p>	<p>Wednesday, May 7, 2025 1:00 PM-3:00 PM Meeting Room: Room 14</p> <p>1:00 PM</p> <p>Evaluation of Polycrystalline Diamond (PCD) Materials for FSW Tooling: S. Rose, Boeing Research and Technology, The Boeing Company, Berkeley, MO</p> <p>1:30 PM</p> <p>Ultra-High Speed Friction Stir Lap Welding of Aluminum Alloys: Y. Hovanski, Manufacturing Engineering, Brigham Young University, Provo, UT</p> <p>2:00 PM</p> <p>Multi-Principal Element Alloy Fillers for Brazing Gas Turbine Engine Components at Two Distinct Temperature Ranges: Z. Yu, Metallurgical and Materials Engineering, Colorado School of Mines, Golden, CO and HYSA Fillers LLC, Golden, CO and National Renewable Energy Laboratory, Golden, CO and George S. Ansell Department of Metallurgical and Materials Engineering, Colorado School of Mines, Center for Welding, Joining and Coatings Research (CWJCR), Golden, CO</p> <p>2:30 PM</p> <p>How much can grain refining reduce the solidification-cracking susceptibility?: S. Kou, Materials Science and Engineering, University of Wisconsin, Madison, WI</p>	<p>Wednesday, May 7, 2025 1:00 PM-2:00 PM Meeting Room: Room 15</p> <p>1:00 PM</p> <p>Characteristics of the Porous Anodic Oxide Film Formed on Aerospace 7XXX Aluminum Alloy: Y. Yuan, R & D, Novelis Zhenjiang, Jiangsu, Jiangsu, China</p> <p>1:30 PM</p> <p>Patterned Peening for Strength and Ductility Optimization: M. Atwater, Mechanical Engineering, Liberty University, Lynchburg, VA</p>	<p>Wednesday, May 7, 2025 1:00 PM-3:00 PM Meeting Room: Room 16</p> <p>1:00 PM</p> <p>Utilizing Computational Materials Modeling and Big Data to Develop Printable High Gamma Prime Superalloys for Additive Manufacturing: J. Bracci, Oerlikon Metco (US) Inc, San Diego, CA</p> <p>1:30 PM</p> <p>Properties of AA7075 Produced with Additive Friction Stir Deposition – Graphite Free: M. Merrell, Manufacturing Engineering, Brigham Young University, Provo, UT</p> <p>2:00 PM</p> <p>Novel True 3D Printing Method for Serial Production of Highly Performant Components up to 100,000lb: I. Valls, MetalPrint3D-XXL, Berlin, Berlin, Germany</p> <p>2:30 PM</p> <p>Increasing the ductility of an Al-Cu-TiB2 composite by additive manufacturing: T. Wang, PSW Group, Chicago, IL</p>

UBC & DLR -Safe and Competitive Composites Aerostructures II	Welding & Joining I (Continued)	Emerging Materials & Processes I	Additive Manufacturing IV (Continued)
<p data-bbox="69 282 300 302">Wednesday, May 7, 2025</p> <p data-bbox="69 305 222 324">4:00 PM-5:00 PM</p> <p data-bbox="69 328 279 347">Meeting Room: Room 9</p> <p data-bbox="69 386 142 406">4:00 PM</p> <p data-bbox="69 438 499 558">Towards tool-less thermoplastic CFRP manufacturing processes using a cooperating robot system: M. Vistein, Center for Lightweight Production Technology, German Aerospace Center, Augsburg, Bavaria, Germany</p> <p data-bbox="69 587 142 607">4:30 PM</p> <p data-bbox="69 639 514 730">Vacuum bag leak detection using machine learning with simulated data from an analogous electric circuit: Y. R. Esmail, University of Victoria, Victoria, BC, Canada</p>	<p data-bbox="541 282 772 302">Wednesday, May 7, 2025</p> <p data-bbox="541 305 695 324">4:00 PM-5:30 PM</p> <p data-bbox="541 328 758 347">Meeting Room: Room 14</p> <p data-bbox="541 386 615 406">4:00 PM</p> <p data-bbox="541 438 993 529">Compositionally Complex Alloy as Brazing Filler Metal for Joining Honeycomb Sealing Systems: J. Vogler, Metals and Alloys, University of Bayreuth, Bayreuth, Bavaria, Germany</p> <p data-bbox="541 558 615 578">4:30 PM</p> <p data-bbox="541 610 1003 678">Enabling Friction Stir Process Improvements through Specifications: S. Rose, Boeing Research and Technology, The Boeing Company, Berkeley, MO</p> <p data-bbox="541 708 615 727">5:00 PM</p> <p data-bbox="541 760 947 850">Improving Production Performance of Refill Friction Stir Spot Welding: Y. Hovanski, Manufacturing Engineering, Brigham Young University, Provo, UT</p>	<p data-bbox="1029 282 1260 302">Wednesday, May 7, 2025</p> <p data-bbox="1029 305 1182 324">4:00 PM-5:00 PM</p> <p data-bbox="1029 328 1245 347">Meeting Room: Room 15</p> <p data-bbox="1029 386 1102 406">4:00 PM</p> <p data-bbox="1029 438 1507 506">The Role of HOCUT® 4260 in Overcoming Aerospace Machining Challenges: R. Weigel, Quaker Houghton, Shawnee, KS</p> <p data-bbox="1029 535 1102 555">4:30 PM</p> <p data-bbox="1029 587 1522 656">Manufacturing of Radio Frequency (RF) Metasurfaces for Radar Applications: M. Riley, Surface Engineering, TWI Ltd, Cambridge, Cambridgeshire, United Kingdom</p>	<p data-bbox="1554 282 1785 302">Wednesday, May 7, 2025</p> <p data-bbox="1554 305 1707 324">4:00 PM-5:30 PM</p> <p data-bbox="1554 328 1770 347">Meeting Room: Room 16</p> <p data-bbox="1554 386 1627 406">4:00 PM</p> <p data-bbox="1554 438 2022 529">Additive manufacturing aluminum alloy matrix composites without a strength-ductility trade-off: X. Wang, Engineering Technology, Purdue University, West Lafayette, IN</p> <p data-bbox="1554 558 1627 578">4:30 PM</p> <p data-bbox="1554 610 2022 701">Flexural Behavior of Ti-6Al-4V TPMS Lattice Sandwich Structure produced by Electron Beam Powder Bed Fusion: E. Bol, Mechanical Engineering, University of Washington, Seattle, WA</p> <p data-bbox="1554 730 1627 750">5:00 PM</p> <p data-bbox="1554 782 2001 873">Martensitic Stainless Steel with precipitation hardening and high mechanical strength for Additive Manufacturing.: S. Vivès, Technical Departement, Aubert & Duval, Paris, Paris, France</p>

Titanium Alloy Technology	Emerging Materials & Processes II	UBC & DLR - Sensor Technology	Materials Characterization & Failure Analysis II
<p>Thursday, May 8, 2025 8:00 AM-10:00 AM Meeting Room: Room 7</p> <p>8:00 AM</p> <p>ATI Titan 27® - Next Generation Ti Alloy for Aerospace as an Alternative to Ti-64: M. Li, R&D, ATI Specialty Rolled Products, Natrona Heights, PA</p> <p>8:30 AM</p> <p>Development of Low-Cost Titanium Sheet via a Combination of Field Assisted Sintering Technology and Hot Rolling (FAST-roll): S. Lister, Department of Materials Science and Engineering, University of Sheffield, Sheffield, South Yorkshire, United Kingdom</p> <p>9:00 AM</p> <p>High Temperature Titanium Alloy Development for Aerospace Applications: ATI Titan 171™ Alloy: D. Brice, R&D, ATI, Monroe, NC</p> <p>9:30 AM</p> <p>Effect of High Temperature on Ti-6Al-4V Annealed Material Tensile Properties Between 900°F and 1800°F: M. Michalowska, Gulfstream Aerospace, Savannah, GA</p>	<p>Thursday, May 8, 2025 8:00 AM-12:00 PM Meeting Room: Room 14</p> <p>8:00 AM</p> <p>Material Properties of Precipitation Hardening Stainless Steel “Ferrium® PH48S™”: Y. Koyanagi, Daido Steel Co., Ltd., Nagoya, Aichi, Japan</p> <p>8:30 AM</p> <p>IIoT, Industry 4.0, and AI: What Process Parameters Should I be Watching and Which Should I be Controlling?: M. R. Bonner, Saint Clair Systems, Inc., Washington, MI</p> <p>9:00 AM</p> <p>Intermetallic Matrix Alloys for Metal Cladding Application: C. P. Qiao, Metallurgy and R&D, L.E. Jones Company, Menominee, MI</p> <p>9:30 AM</p> <p>Lost Core Nanomaterial Electroforming Process (LCNE) for the Low-Cost Manufacture of Complex High-Strength, Lightweight, High Temperature Service Components: D. Kim, Integran Technologies Inc, Mississauga, ON, Canada</p> <p>10:00 AM</p> <p>Scalium™, a New High-Strength Aluminium Alloy to be Used from Skis to Aerospace: F. Lapointe, Ferreol Technologies, Québec, QC, Canada</p> <p>10:30 AM</p> <p>Predicting Material Properties and its Validation Methodology: M. Pelissero, Sales and Marketing, Total Materia AG, Zurich, Zurich, Switzerland</p>	<p>Thursday, May 8, 2025 8:00 AM-10:30 AM Meeting Room: Room 15</p> <p>8:00 AM</p> <p>Advanced Modeling Techniques for Next-Generation Polymer-Based Acoustic NDT Transducers: J. Welsch, Electrical & Computer Engineering, The University of British Columbia, Vancouver, BC, Canada</p> <p>8:30 AM</p> <p>Front-End Amplified polyCMUTs for Acoustic Emission Sensing of Carbon Fiber Reinforced Polymer: J. Lu, Electrical & Computer Engineering, The University of British Columbia, Vancouver, BC, Canada</p> <p>9:00 AM</p> <p>Implementation of polyCMUT-based Ultrasound Arrays in the Manufacturing Process of Lightweight Composite Structures: D. Görick, Institute of Structures and Design, Center for Lightweight Production Technology, German Aerospace Center, Augsburg, Bavaria, Germany</p> <p>9:30 AM</p> <p>Monitoring the Curing of Epoxy Resin Accelerated by Ultrasonication via Impedance Measurements: D. Csehngeri, Electrical & Computer Engineering, The University of British Columbia, Vancouver, BC, Canada</p> <p>10:00 AM</p> <p>Quality Assurance of Vacuum Assisted Resin Infusion (VARI) Manufacturing Processes via Acoustic Monitoring with polyCMUTs: J. Welsch, Electrical & Computer Engineering, The University of British Columbia, Vancouver, BC, Canada</p>	<p>Thursday, May 8, 2025 8:00 AM-10:00 AM Meeting Room: Room 16</p> <p>8:00 AM</p> <p>Imaging New Dimensionalities in Imaging of Elasticity: P. Collins, Material Science and Engineering, Iowa State University, Ames, IA</p> <p>8:30 AM</p> <p>Buckling strength analysis and effect of local welds in isogrid cylinder structure: J. T. yoo, Launch Vehicle Structures Team, Korea Aerospace Research Institute, Daejeon, Yusung-gu, Korea, Republic of (South)</p> <p>9:00 AM</p> <p>SPACE MATERIALS & PROCESS ENGINEERING - SELECTION - VALIDATION - APPLICATION: P. R. Modi, Engineering Consulting Services, LM&P ENGG FELLOW, LLC (Feb. 2022 to Present), Fort Worth, TX and Materials & Process Engineering, Lockheed Martin Corporation (Feb. 1988 to Feb. 2022), Littleton, CO</p> <p>9:30 AM</p> <p>Influence of sample preparation on metallographic examination of thermal spray coatings: E. Bobala, GE Aerospace Poland, Warsaw, mazowieckie, Poland</p>

	<p>Emerging Materials & Processes II</p> <hr/> <p>Thursday, May 8, 2025 8:00 AM-12:00 PM Meeting Room: Room 14</p> <p>11:00 AM</p> <p>Corrosion Resistance Comparison of Two Maraging Stainless Steels for Aerospace Application: S. Vivès, Technical Departement, Aubert & Duval, Paris, Paris, France</p> <p>11:30 AM</p> <p>Decision science-driven assessment of magnetocaloric materials for thermal management systems: T. Jayaraman, Department of Mechanical Engineering, United States Air Force Academy, Colorado Springs, CO</p>		
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ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) Technical Program

ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines I	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines II	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines III	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines IV	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) Cold Spray Coatings for Aerospace Applications	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) Surface Preparation, Load-bearing, Tribology, Corrosion, Abradable and Repair I
<p>Monday, May 5, 2025 10:30 AM-11:50 AM Meeting Room: Ballroom A</p> <p>10:30 AM</p> <p>Cord Plasma Spray (CPS), a new robust process with the potential to produce advanced coatings in IGT and Aero applications: D. Billieres, Saint-Gobain Coating Solutions, Avignon, France</p> <p>10:50 AM</p> <p>Environmental Barrier Coatings applied by Suspension Plasma Spraying: M. Bellippady, University West, Trollhattan, Sweden</p> <p>11:10 AM</p> <p>The influence of particle size distribution for homogeneity of ytterbium silicate coating prepared by atmospheric plasma spraying: K. Seki, THERMAL SPRAY MATERIALS DEPT., FUJIMI INCORPORATED, Kakamigahara, Gifu, Japan</p> <p>11:30 AM</p> <p>Bending Behavior and Microstructural Evaluation of YSZ TBC Deposited via SPS and SPPS for Advanced Turbine and SPPS for Advanced Turbine Applications: T. Aissou, Plasmas, Processes & Integration of Nanomaterials (2PIN) Laboratory, Department of Chemical Engineering and Biotechnological Engineering, Université de Sherbrooke, Sherbrooke, QC, Canada and Createk Innovation Group, Institut Interdisciplinaire d'Innovation Technologique (3IT), Université de Sherbrooke, Sherbrooke, QC, Canada</p>	<p>Monday, May 5, 2025 1:30 PM-2:50 PM Meeting Room: Ballroom A</p> <p>1:30 PM</p> <p>Pull Adhesion Testing of Hafnium Oxide Coatings: A. Vozar, GE Aerospace Research, Niskayuna, NY</p> <p>1:50 PM</p> <p>Optimization of Heat Treatment Parameters for Yb-Disilicate Environmental Barrier Coatings: P. Khamsepour, EMT, Institut National de la Recherche Scientifique, Varennes, QC, Canada</p> <p>2:10 PM</p> <p>Exploring the Microstructure and CMAS Resistance of Yb₂Si₂O₇ Environmental Barrier Coatings(EBCs) Deposited by Axial and Radial Injection Plasma Spraying: F. Arhami, Mechanical Engineering, Coconordia University, Montreal, QC, Canada</p> <p>2:30 PM</p> <p>Ytterbium disilicate environmental barrier coatings: processing and combined steam-CMAS corrosion: T. Hussain, Faculty of Engineering, University of Nottingham, Nottingham, UK, Nottingham, United Kingdom</p>	<p>Monday, May 5, 2025 3:30 PM-4:30 PM Meeting Room: Ballroom A</p> <p>3:30 PM</p> <p>Parameter exploration of Yb₂Si₂O₇ coatings prepared by Plasma Spray Physical Vapor Deposition: J. R. Colmenares, Engineering, Berkshire Community College, Pittsfield, MA and Materials and Structures Division, NASA Glenn Research Center, Cleveland, OH</p> <p>3:50 PM</p> <p>High-Resolution Synchrotron μXRD and μXRF for Detailed Phase and Elemental Analysis in Suspension Plasma Sprayed Environmental Barrier Coatings: A. Ganvir, Mechanical and Materials Engineering, University of Turku, Turku, Turku, Finland</p> <p>4:10 PM</p> <p>100 KW High Power Cascade Debye Larmor Plasma Torch for APS and VPS Applications: A. Salito, Gulthfi AG, Schweiz, Switzerland</p>	<p>Tuesday, May 6, 2025 8:30 AM-9:50 AM Meeting Room: Ballroom A</p> <p>8:30 AM</p> <p>Comparative Oxidation Performance of NiCoCrAlY Coatings Deposited by HVAF and HVOF for Thermal Barrier Applications: A. K. Thoutam, Department of Mechanical, Industrial and Aerospace Engineering, Concordia University, Montréal, QC, Canada</p> <p>8:50 AM</p> <p>Study of the high temperature oxidation performance of MCrAlY bond coats deposited by thermal spray and cold spray processes: M. S. Lamana, Department of Mechanical, Industrial and Aerospace Engineering, Concordia University, Montréal, QC, Canada</p> <p>9:10 AM</p> <p>Influence of Reactive Elements on Next-Generation Bond Coats in Thermal Barrier Coating Systems Using High Entropy Alloys: H. Shahbazi, Department of Mechanical, Industrial and Aerospace Engineering, Concordia University, Montréal, QC, Canada</p> <p>9:30 AM</p> <p>Oxidation Behaviour of AlCrFeNiSi-Based High Entropy Alloy Bond Coat Designed with the CALPHAD Approach: M. Boschen, Australian Research Council (ARC) Industrial Transformation Training Centre on Surface Engineering for Advanced Materials (SEAM), Swinburne University of Technology, Hawthorn, VIC, Australia and Australian Research Council (ARC) Industrial Transformation Training Centre in Surface Engineering for Advanced Materials (SEAM), Swinburne University of Technology, Hawthorn, VIC, Australia</p>	<p>Tuesday, May 6, 2025 8:30 AM-9:30 AM Meeting Room: Room 1</p> <p>8:30 AM</p> <p>ID-Nova Warm Spray Process: A. W. Burgess, SprayWex Technologies Inc., North Vancouver, BC, Canada</p> <p>8:50 AM</p> <p>New achievements in cold spraying of Al alloys for structural repair applications using nitrogen as propelling gas: J. Kondas, Impact Innovations GmbH, Rattenkirchen, Germany</p> <p>9:10 AM</p> <p>Cold Spray Aluminum: A Cutting-Edge Solution for the Restoration of Gas Turbine LPC Components: C. Raval, HANNECARD ROLLER COATINGS INC. USA, Barberton, OH</p>	<p>Tuesday, May 6, 2025 10:30 AM-11:10 AM Meeting Room: Ballroom A</p> <p>10:30 AM</p> <p>Microstructural Study of Nickle Chromium Coating with Complex Composition for High Performance Application: F. Azarmi, Mechanical Engineering, North Dakota State University, Fargo, ND</p> <p>10:50 AM</p> <p>Laser Cladding Coatings: Materials and Preparation Technologies for Wear and Corrosion Resistance: Z. Pi, BGRIMM Technology Group, Beijing, China</p>

*Note these presentations are 20 minutes long.

ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) Technical Program

ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines V	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) Surface Preparation, Load-bearing, Tribology, Corrosion, Abradable and Repair II	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines VI	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines VII	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) TBCs & EBCs for Gas Turbines VIII	ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat) Surface Preparation, Load-bearing, Tribology, Corrosion, Abradable and Repair III
<p>Wednesday, May 7, 2025 8:30 AM-9:10 AM Meeting Room: Ballroom A</p>	<p>Wednesday, May 7, 2025 8:30 AM-9:50 AM Meeting Room: Room 18</p>	<p>Wednesday, May 7, 2025 10:30 AM-11:10 AM Meeting Room: Ballroom A</p>	<p>Wednesday, May 7, 2025 1:30 PM-2:10 PM Meeting Room: Ballroom A</p>	<p>Wednesday, May 7, 2025 3:30 PM-4:10 PM Meeting Room: Ballroom A</p>	<p>Thursday, May 8, 2025 8:30 AM-9:10 AM Meeting Room: Ballroom A</p>
<p>8:30 AM</p>	<p>8:30 AM</p>	<p>10:30 AM</p>	<p>1:30 PM</p>	<p>3:30 PM</p>	<p>8:30 AM</p>
<p>Impact of plasma parameters on the deposition of environmental barrier coatings: N. Curry, Northwest Mettech Corporation, Vancouver, BC, Canada</p>	<p>A Comprehensive Review of High-Temperature Ceramic Abradable Coatings used in Aero and Industrial Gas Turbines: M. Ghorban, Chemical and Materials Engineering, Concordia University, Montreal, QC, Canada and Northwest Mettech Corp., Surrey, BC, Canada</p>	<p>The influence of YSZ powder morphology and microstructure on the surface roughness of Thermal Barrier Coatings (TBCs) applied in Industrial Gas Turbines (IGTs): A. Iotti, Lincotek Surface Solutions, Rubbiano di Solignano, Parma, Italy</p>	<p>Laser Treatment of Columnar YSZ Coatings Produced by Suspension Plasma Spraying: A. Roy, Department of Mechanical, Industrial and Aerospace Engineering, Concordia University, Montréal, QC, Canada</p>	<p>Developing Oxidation-resistant ZrC-based Coating via Plasma Spraying for Advanced Thermal Protection Systems: N. Maharjan, Australian Research Council (ARC) Industrial Transformation Training Centre in Surface Engineering for Advanced Materials (SEAM), Swinburne University of Technology, Hawthorn, VIC, Australia and Space Technology and Industry Institute (STII), Swinburne University of Technology, Hawthorn, VIC, Australia</p>	<p>Automating Metal Component Refurbishment – How Can the Power of Digital Tools Boost Quality, Productivity and Safety?: A. Vargas-Uscategui, Manufacturing, CSIRO Manufacturing, Clayton, VIC, Australia</p>
<p>8:50 AM</p>	<p>8:50 AM</p>	<p>10:50 AM</p>	<p>1:50 PM</p>	<p>3:50 PM</p>	<p>8:50 AM</p>
<p>The Mechanism of Rapid Interdiffusion Bonding During Air Plasma Spraying of Thermal-Environmental Barrier Coatings for Future Ceramic Turbine Components: E. J. Gilderleeve V, Institute of Energy Materials and Devices (IMD-2), Materials Synthesis and Processing (IEK-1), Forschungszentrum Jülich, GmbH., Jülich, Germany</p>	<p>High Temperature Sliding Abrasive Wear Performance of HVOF-Sprayed Cr3C2-NiCr Coatings: Oxidation Induced Behavior and Mechanism: X. Ma, Surface Technology, Curtiss-Wright Corporation, East Windsor, CT and Curtiss-Wright Corporation, East Windsor, CT</p>	<p>Self-healing TBCs: how micro-changes influence the overall coating durability: P. Sokolowski, Faculty of Mechanical Engineering, Wrocław University of Science and Technology, Wrocław, Poland</p>	<p>Dynamic behavior of CMAS Droplets on Thermal Barrier Coatings (TBCs): A. Roy, Department of Mechanical, Industrial and Aerospace Engineering, Concordia University, Montréal, QC, Canada</p>	<p>Boride and carbide coatings by plasma spraying – manufacturing and assessment at temperatures higher than 2000 K: A. Quet, CEA, DAM, Le Ripault, Monts, France</p>	<p>Coatings for Fluid Erosion Protection: J. M. Mendez, Research & Development, MDS Coating Technologies Corporation, Saint Laurent, QC, Canada</p>
<p></p>	<p>DEVELOPMENT OF REPAIR METHODS FOR SINGLE CRYSTAL COMPONENTS USING THERMAL SPRAY PROCESSES: R. Vaßen, Institute for Materials, Ruhr-Universität Bochum, Bochum, Germany and Institute of Energy Materials and Devices (IMD), Materials Synthesis and Processing (IMD-2), Forschungszentrum Jülich GmbH, Jülich, North Rhine-Westphalia, Germany</p>	<p></p>	<p></p>	<p></p>	<p></p>
<p></p>	<p>9:10 AM</p> <p>9:30 AM</p> <p>High-temperature tribological performance of chromium oxide – NiMoAl based coating applied by atmospheric plasma spray: F. Soltani, MPE, Pratt & Whitney, East Hartford, CT</p>	<p></p>	<p></p>	<p></p>	<p></p>

*Note the **ADVANCED COATINGS FOR AEROSPACE AND IGTs (joint with AeroMat)** presentations are 20 minutes long.

*Technical Program as of April 29, 2025. Subject to Change. Be sure to download the mobile app so that you can keep up with any last minute updates