FULL SCHEDULE

(subject to change)

as of 7/12/2024

TUESDAY, NOVEMBER 12, 2024				
Time	**Event**	**Presenter**	**Affiliation**	**Presentation Title**
13:00	**Shuttle departs Mercure Limoges Centre** (recommended hotel) for ENSIL-ENSCI Engineering School, University of Limoges			
13:30	**Registration Open**			
14:00 - 17:00	**IRCER/SAFIR/OERLIKON BALZERS Visits** (pre-registration is required)			
14:00 - 16:00	**Job Dating** (pre-registration is required)			
17:00	**Shuttle Returns Attendees to Mercure Limoges Centre**			
19:00 - 21:00	**Welcome Reception at the Limoges Town Hall** (walking distance from downtown hotels)			

WEDNESDAY, NOVEMBER 13, 2024				
Time	**Event**	**Presenter**	**Affiliation**	**Presentation Title**
7:10	**Shuttle departs Mercure Limoges Centre** for ENSIL-ENSCI Engineering School, University of Limoges			
7:30	**Registration Open**			
8:25	**Opening remarks: TSS-ASM and IRCER**			
8:40	**SESSION 1: Sustainable Aviation** Chair: Rogerio Lima, FASM, National Research Council of Canada	**Serge Selezneff**	**Safran Group**	**KEYNOTE PRESENTATION: Decarbonization of Aviation: Focus on Coatings and Surface Treatments**
9:20		Bertrand Jodoin, FASM	University of Ottawa	How SAF and Hydrogen Utilization as Alternative Fuels can Challenge Current Aerospace Coatings: The Case of MCrAlYs
9:50		Aurélie Vande Put	CIRIMAT, University of Toulouse	Protective PVD Coatings for Improved High Temperature Oxidation Resistance of Titanium-based Alloys
10:20	**Refreshment Break with Exhibitors / Poster Session**			
11:00	**SESSION 2: Protective Coatings** Chair: Scott Wilson, Oerlikon Metco AG	**Cédric Poupon**	**AIRBUS**	**KEYNOTE PRESENTATION: Robust and Eco-Efficient Design Toward Innovative Coatings**
11:40		Julien Escobar	IRT Saint-Exupéry	Development of Anti-erosion and Anti-icing Coatings by Suspension Plasma Spray for Aeronautical Parts
12:10		Charlotte Dupressoire	AIRBUS	Wear Protection for Aircraft Wing to Pylon Engine Attachment
12:40	**Lunch with Exhibitors / Poster Session**			
14:00	**SESSION 3: Cutting-Edge Coating Technologies** Chair: Ann Bolcavage, FASM, Rolls Royce Corporation USA	**Ludvik Martinu**	**Polytechnique Montreal**	**KEYNOTE PRESENTATION: Vapor-deposited Functional Coatings: Impactful Opportunities for Aerospace Applications**
14:40		Kentaro Shinoda	National Institute of Advanced Industrial Science and Technology (AIST)	Hybrid Aerosol Deposition Process: Bridging the Gap between Thermal Spray and Vapor Deposition Processes
15:10		Sophie Costil	Université De Technologie De Belfort-Montbéliard	Strategies to Increase the Functional Temperature of Aeroparts in Respect with the Environmental Challenges
15:40	**Refreshment Break with Exhibitors / Poster Session**			
16:20	**SESSION 3 (continued): Cutting-Edge Coating Technologies** Chair: Robert Vaßen, FASM, Forschungszentrum Jülich GmbH	Mohit Gupta	University West	Liquid Feedstock Plasma Sprayed Coatings for Improved Engine Performance
16:50		Richard Trache	Treibacher Industrie AG	Thermally Sprayed EBCs – Feedstock Considerations for a Sustainable Future
17:20		Dominique Billieres	Saint Gobain Coating Solutions	Introducing Cord Plasma Spray (CPS) : A Possible Alternative to Suspension Plasma Spray (SPS)
18:00	**Shuttle from University to the National Museum "Adrien Duboche"**			
18:30 - 22:00	**Networking Event at National Museum "Adrien Dubouché", Limoges** -Welcoming drinks, museum visit and dinner in the historical gallery			
22:00	**No shuttle provided from Museum to Hotels** (within walking distance)			

FULL SCHEDULE

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as of 7/12/2024

THURSDAY, NOVEMBER 14, 2024				
Time	**Event**	**Presenter**	**Affiliation**	**Presentation Title**
8:40	**Shuttle departs Mercure Limoges Centre** for ENSIL-ENSCI Engineering School, University of Limoges			
9:00	**Welcoming Remarks - Tribute to Pierre Fauchais**			
9:20	**SESSION 4: Sustainable Aviation**	**Ann Bolcavage, FASM**	**Rolls-Royce Corporation, USA**	**KEYNOTE PRESENTATION: Surface Engineering - Challenges and Solutions for Sustainable Aviation**
10:00	Chair: Andrew Ang, Swinburne University	Marc Froning	The Boeing Company	Introduction of HVOF-applied CrC-NiCr as a Hard Chrome replacement for Landing Gear
10:30		Thorsten Stoltenhoff	Linde Advanced Materials Technologies	ExoGard TM – Recent Achievements in Hard Chrome Substitution
11:00	**Refreshment Break with Exhibitors / Poster Session**			
11:40	**SESSION 5: Sustainable Repair Processes**	**Thomas Klassen**	**Helmut Schmidt University**	**KEYNOTE PRESENTATION: Refurbishment and Lifetime Enhancement of Aircraft Components**
12:10	Chair: Bertrand Jodoin, FASM, University of Ottawa	Mettupalayam Balachander	Delta Air Lines Limited	Thermal Spray from a Perspective of a Maintenance Repair and Overhaul Organization
12:40	**Lunch with Exhibitors / Poster Session**			
14:00	**SESSION 6: Leading-Edge Materials Systems**	**Robert Vaßen, FASM**	**Forschungszentrum Jülich GmbH**	**KEYNOTE PRESENTATION: Manufacture and Testing of Advanced Environmental Barrier Coatings**
14:40	Chair: Ludvik Martinu, Polytechnique Montreal	Uwe Schulz	DLR, German Aerospace Center	PVD Coatings for Protection of Aero Engine Components under Challenging Environments
15:10		Jürgen Ramm	Oerlikon Surface Solutions AG	PVD+ - Combination of PVD and PECVD Deposition Processes to Synthesize EBC Structures for SiC-based CMC Materials
15:40	**Refreshment Break with Exhibitors / Poster Session**			
16:20		Ping Xiao	The University of Manchester	Characterisation Techniques for Investigating Thermal Barrier Coating and Environmental Barrier Coating Failure
16:50	**SESSION 6 (continued): Leading-Edge Material Systems**	Rogerio Lima, FASM	National Research Council of Canada	SPS versus EB-PVD YSZ TBCs: Durability under Thermal Cycle in Thermal Gradient Environment
17:20	Chair: Uwe Schulz, DLR, German Aerospace Center	Scott Wilson	Oerlikon Metco	Advanced Coatings for Improved Sustainability in Aviation
17:50		Céline Ruelle	Safran Tech	Development of Abradables and Abrasives Coating Solutions for Turbojet Engines Applications
18:20	**Closing Remarks: TSS-ASM / IRCER**			
18:30 - 21:30	**Closing Night Networking Dinner Buffet at IRCER / Announce Winners of Student Poster Competition**			
21:30	**Shuttle Returns Attendees to Mercure Limoges Centre**			

Organized by: