



RF-ICP Workshop - Optional Workshop - Wednesday, September 16, 2026

Time	Activity	Presenter	Institution
12:00	REGISTRATION		
12:45	WELCOMING REMARKS: Radek Musalek, Tomas Tesar, Jan Cizek, IPP		
RF-ICP Workshop - Session I			
13:00 - 13:30	A Novel Design of Radio Frequency Inductively Coupled Plasma (RF-ICP) torch and it applications for Coatings	Javad Mostaghimi	University of Toronto, Canada
13:30 - 14:00	A Decade of RF-ICP Plasma Spraying at IPP Prague: From System Modifications to Advanced Applications	Bakub Klecka	IPP Prague, CZ
14:00 - 14:30	Computational study to capture flow dynamics in a DCP-jet-assisted RF ICP torch	Masaya Shigeta	Tohoku University, Japan
14:30 - 15:00	Advanced Materials Synthesis by Radio-Frequency (RF) Thermal Plasma Technologies	Soucy Gervais	University of Sherbrook, Canada
15:00 - 15:30	REFRESHMENT BREAK		
RF-ICP Workshop - Session II			
15:30 - 16:00	To Be Announced	Kentaro Shinoda	AIST, Japan
16:00 - 16:30	RF Induction Thermal Plasma: From Materials Synthesis to Surface Engineering	François Gitzhofer	Université de Sherbrooke, Canada
16:30 - 17:00	Unlocking functional materials synthesis via insights into RF inductively-coupled thermal plasmas	Jocelyn Veilleux	Université de Sherbrooke, Canada
17:00 - 17:30	How ICP Enables Material "Miracles" in Research and Industry	Bochen Alternberend	Tekna, France
17:30	RF-ICP Laboratory Tour		



Thursday, September 17, 2026

Time	Activity	Presenter	Institution
8:00	REGISTRATION		
8:00 - 10:00	Exhibitor - Set Up		
8:45 - 9:00	WELCOMING REMARKS: Radek Musalek, Tomas Tesar, Jan Cizek, IPP		
9:00 - 10:00	KEYNOTE PRESENTATION: Liquid Feedstock Plasma Spray – Past, Present, Future?	Nicholas Curry	Northwest Mettech Corp
10:00 - 10:30	Poster Session - Set Up		
10:00 - 10:30	Refreshment Break with Exhibitors		
Fundamentals & Modeling Chair:			
10:30 - 10:50	Progress in modelling solution precursor thermal spray	Ali Dolatabadi	University of Toronto
10:50 - 11:10	The Effect of Plasma Gas Composition on Transport Properties, Feedstock Treatment, and Torch Dynamics Using a Spraying Torch with Axial Suspension Injection	Georg Mauer	Forschungszentrum Jülich GmbH
11:10 - 11:30	Advanced modelling of Suspension Plasma Spraying: First Steps Toward Developing a Digital Twin	Vincent Rat	Université de Limoges
11:30 - 11:50	To Be Announced	Giovanni Bolelli	University of Modena
11:50 - 13:30	LUNCH WITH EXHIBITORS Sponsored By Alloy Coating Supply		
Hybrid and Emerging Processes Chair:			
13:30 - 13:50	Suspension Plasma Spray Coatings for Biomedical Applications	Nicolaie Markocsan	University West
13:50 - 14:10	Hybrid plasma spraying: lessons learned and future prospects	Tomas Tesar	Institute of Plasma Physics CAS
14:10 - 14:30	From Roughening to Engineered Interfaces: Can Laser Texturing Unlock the Full Potential of Thermal Spraying?	Pawel Sokolowski	Wroclaw University of Technology
14:30 - 15:00	Refreshment Break with Exhibitors & Poster Session		
15:00	Lab Tours / IPP Department of Materials Engineering Labs Onsite: Main Workshop Hall of IPP / Dept. of Mater. Eng. Labs Offsite: WSP-H Sprayshop		
18:30 - 21:30	Networking Event (To Be Determined)		



Friday, September 18, 2026

Time	Activity	Presenter	Institution
8:00	REGISTRATION		
8:00 - 8:50 a.m.	Women in Thermal Spray (WiTS) at TS4E		
8:50 - 9:00	WELCOMING REMARKS: Radek Musalek, Tomas Tesar, Jan Cizek, IPP		
9:00 - 10:00	Thermally Sprayed Environmental Barrier Coatings in Industry and Academia: The Barriers to Industrialization and Bridging the Gap Between Innovative Research and Full-Scale Production	Edward Gildersleeve	GE Aerospace Research
10:00 - 10:30	Refreshment Break with Exhibitors & Poster Session		
Thermal & Environmental Barrier Coatings (TBCs/EBCs) Chair:			
10:30 - 10:50	Manufacturing APS YbDS-based EBCs: Insights on Crystallization and Mechanical Behaviour	Rogério Lima	National Research Council Canada - CNRC
10:50 - 11:10	Deposition and Assessment of Suspension-Sprayed TBCs on Different Bondcoats under Thermal Exposure in Dry and Vapor-Rich Environments	Filofteia-Laura Toma	Fraunhofer Institute for Material and Beam Technology IWS
11:10 - 11:30	Yttria stabilized zirconia deposited using suspension plasma spraying: a comparative framework with electron beam physical vapour deposition and air plasma spraying	Tanvir Hussain	University of Nottingham
11:30 - 13:00	LUNCH WITH EXHIBITORS Sponsored By Alloy Coating Supply		
Applications I: Feedstock Materials & Processing Equipment Chair:			
13:00 - 13:20	TBC Compositions for CMAS Protection using SPS for Rapid Coating Development	Richard Trache	Treibacher Industrie AG
13:20 - 13:40	Amperit® Powder Solutions for EBC's Coating Systems	Barbara Maroli	Höganäs
13:40 - 14:00	Developing Process Control for Suspension Plasma Spraying	Wania Jibran	TECNAR
14:00 - 14:30	Refreshment Break with Exhibitors & Poster Session		
Applications III: Aerospace Industry Chair:			
14:30 - 14:50	Challenges and future T/EBC for aeronautics applications	Lisa Pin	Safran Ceramics
14:50 - 15:10	From Computational Design to Coating Deposition: Challenges in Complex Oxide TBCs and EBCs	Jonathan Gutleber	Oerlikon Metco
15:10 - 15:30	Development of Thermal Barrier Coatings for Aero Engines Using S-HVOF Process	Kazuma Takeno	Mitsubishi Heavy Industries
15:30 - 15:50	To Be Announced	Brian Hazel	Pratt & Whitney
16:10 - 16:55	Panel Discussion - Join our interactive panel discussion, where participants engage in open, peer-driven conversations on key industry topics. Guided by an experienced facilitator, this session offers valuable insights, diverse perspectives, and meaningful opportunities to connect with others in your field.		
16:10 - 16:40	Exhibitor Tear - Down		
16:55	CLOSING REMARKS: Radek Musalek, Tomas Tesar, Jan Cizek, IPP		