

ICMCTF 2023 Program Overview

Room /Time	Golden State Ballroom	Pacific D	Pacific E	Pacific F-G	Town & Country A	Town & Country B	Town & Country C	Town & Country D
MoPL					PL-MoM: Plenary Lecture			
MoM		H1-1-MoM: Spatially-resolved and In-Situ Char of TF & Eng Surf I	A1-1-MoM: Coatings to Resist High-temp Oxid, Corr, & Fouling I	D1-1-MoM: Surf Coatings & Surface Mods in Bio Environ I	TS1-1-MoM: Coat for Ener Stor & Conv - Batt & Hyd App I	F5-MoM: Machine Learning & Proc Mod for Coat Des & Production		B4-1-MoM: Props & Char of Hard Coatings and Surfaces I
MoSIT					SIT1-MoSIT: Special Interest Session I			
MoA		H1-2-MoA: Spatially-resolved and In-Situ Char of TF & Eng Surf II	A1-2-MoA: Coatings to Resist High-temp Oxid, Corr, & Fouling II	D1-2-MoA: Surf Coatings & Surf Mods in Biological Environments II	TS1-2-MoA: Coat for Ener Stor & Conv – Batt & Hyd Applications II	B6-MoA: Computationally-aided Materials Design	B2-MoA: CVD Coatings and Technologies	B4-2-MoA: Properties and Characterization of Hard Coatings
TuM		H2-1-TuM: Adv Mech Testing of Surf, TF, Coat & Small Volumes I	A1-3-TuM: Coat to Resist High-temp Oxid, Corr, and Fouling III	D2-TuM: Medical Devices: Bio-Tribo-Corrosion, Diag, 3D Printing	TS1-3-TuM: Coat for Ener Stor and Conv – Batt & Hyd Applications III	E3-1-TuM: Tribology of Coatings & Surf for Indust Apps I		B4-3-TuM: Prop & Char of Hard Coatings and Surfaces III
TuEx					EX-TuM: Exhibition Keynote Lecture			
TuA	EXHIBITION	D3-TuA: Bio: Coat to Prom Cell Adhes while Inhib Microbial Growth	A2-1-TuA: Thermal and Environmental Barrier Coatings I	TS2-TuA: Sustainable Surf Sol, Matls, Proc and Applications	H3-1-TuA: Char of Coatings & Small Vol in Ext and Cyclic Conditions I	E1-1-TuA: Friction, Wear, Lubrication Effects, and Modeling I	F3-TuA: 2D Matls: Synthesis, Characterization, and Applications	B4-4-TuA: Prop & Char of Hard Coatings and Surfaces IV
TuSIT					SIT2-TuSIT: Special Interest Session II			
WeM		H2-2-WeM: Adv Mech Testing of Surfaces, TF, Coatings and Small Volumes II	A2-2-WeM: Thermal and Environmental Barrier Coatings II	C1-1-WeM G2-1-WeM	H3-2-WeM B3-WeM	E1-2-WeM: Friction, Wear, Lubrication Effects, and Modeling II	G1-WeM G4-WeM	G3-WeM: Innov Surf Eng for Adv Cutting and Forming Tool Applications
WeSIT					SIT3-WeSIT: Special Interest Session III			
WeA		G2-2-WeA: Surf Mod of Comp in Auto, Aero & Mfg Applications II	F4-1-WeA: Boron-Containing Coatings I	C1-2-WeA E3-2-WeA		TS3-WeA: Proc of Materials for Printed and Flexible Film Technologies		B8-1-WeA: HiPIMS, Pulsed Plasmas and Energetic Deposition I
WeHL					HL-WeHL: Bunshah Award Honorary Lecture			
ThM			C3-1-ThM: Thin Films and Novel Surfaces for Energy I	F4-2-ThM: Boron-Containing Coatings II	B5-ThM: Hard and Multifunctional Nanostructured Coatings		E2-1-ThM: Mechanical Properties and Adhesion I	B1-1-ThM: PVD Coatings and Technologies I
ThL							FTS-ThL: Focused Topic Session	
ThA		B7-ThA: Plas Surf Interactions, Diags and Growth Processes	F2-ThA: High Entropy & Other Multi-princ-element Matls	C2-1-ThA: Thin Films for Electronic Devices I		E2-2-ThA: Mechanical Properties and Adhesion II	B1-2-ThA: PVD Coatings and Technologies II	
ThP	POSTER SESSIONS							
FrM			F1-FrM: Nanoterial-based Coatings and Structures	C2-2-FrM: Thin Films for Electronic Devices II		C3-2-FrM: Thin Films and Novel Surfaces for Energy II	B1-3-FrM: PVD Coatings and Technologies III	

ICMCTF 2023 SCHEDULE OF EVENTS



CODE OF CONDUCT



MOBILE APP

SUNDAY	1:30 pm - 5:30 pm 4:30 pm - 6:30 pm	Short Course: Plasma Basics—Registration Required Registration: Attendee/Exhibitor/Short Course/Career Center	Town & Country Foyer Town & Country Foyer
MONDAY	7:00 am - 6:00 pm 7:30 am - 3:30 pm 7:45 am - 8:45 am 8:00 am - 9:45 am	Registration: Attendee/Short Course/Career Center Registration: Exhibitors Morning Coffee <i>Plenary Lecture: Li-Chyong Chen, National Taiwan University, "Recent Trends in Artificial Photosynthesis: Atomistic/Surface Design and Probing of Non-Photocatalysts"</i>	Town & Country Foyer Town & Country Foyer Town & Country Foyer Town & Country A
	8:30 am - 12:30 pm 10:00 am - 5:20 pm 10:00 am - 10:40 am	Short Course: Phys. of Plas used in Dep Proc—Reg Required Technical Sessions Bill Sproul Award Lecture: Paul Mayrhofer, TU Wien, Austria, "Strategies for the Development of Robust and Stable, but also Functional Ceramic Coatings"	Town & Country Foyer See Mobile App/Online Scheduler Pacific E
	1:00 pm - 2:00 pm	<i>Special Interest Talk: Jia-Hong Huang, National Tsing Hua University, "Residual Stress Measurement on Hard Coatings and the Evaluation and Energy Relief Efficiency of Architected Coatings"</i>	Town & Country A
	1:30 pm - 5:30 pm 5:30 pm - 7:00 pm	Short Course: Fund. of Sputter Deposition—Reg Required ICMCTF 2023 Welcome Mixer	Town & Country Foyer Flamingo Lawn
TUESDAY	7:30 am - 3:30 pm 8:00 am - 5:20 pm 8:30 am - 12:30 pm	Registration: Attendee/Exhibitor/Short Course/Career Center Technical Sessions Short Course: Control of Micro- and Nanostructure Evolution during PVD—Reg Required	Town & Country Foyer See Mobile App/Online Scheduler Town & Country Foyer
	11:00 am - 12:00 pm	<i>Exhibition Keynote Lecture: David Furrer, Pratt & Whitney, "Future Requirements for Advanced Surface Modification and Coatings Technologies for Turbine Engine Applications"</i>	Town & Country A
	12:00 pm - 7:00 pm 12:00 pm - 1:40 pm 1:30 pm - 5:30 pm	Exhibition Hall Opens Today Light Lunch in Exhibit Hall (While Supplies Last) Short Course: Fundamentals of HIPIMS Plasmas for Thin Film Deposition—Reg Required	Golden State Ballroom Golden State Ballroom Town & Country Foyer
	3:20 pm - 4:00 pm 4:00 pm - 4:20 pm 5:30 pm - 7:00 pm 7:00 pm - 8:00 pm	Break—Complimentary Refreshments in Exhibit Hall Graduate Student Award Finalist Talk: Bruna Nagay Exhibition Reception <i>Special Interest Talk: Jörg Patscheider, Evatec AG, Switzerland "Functional Nitride and Oxide Thin Films – the Key to Our Digital World"</i>	Golden State Ballroom Pacific D Golden State Ballroom Town & Country A
WEDNESDAY	7:30 am - 3:30 pm 8:00 am - 5:40 pm 8:00 am - 8:20 am 8:30 am - 12:30 pm	Registration: Attendee/Short Course/Career Center Technical Sessions Graduate Student Award Finalist Talk: Georg C. Gruber Short Course: Adv. Under of HIPIMS Plasmas for TF Dep.—Reg Required	Town & Country Foyer See Mobile App/Online Scheduler Pacific E Town & Country Foyer
	10:00 am - 2:00 pm 10:00 am - 11:00 am 12:20 pm - 2:00 pm 1:00 pm - 2:00 pm	Visit the Exhibition! Break – Complimentary Refreshments in Exhibit Hall Light Lunch in Exhibit Hall (While Supplies Last) <i>Special Interest Talk: Tung-Jung Wu, ULVAC Taiwan, Inc. "Thin Film Sputtering Technologies Enabling Manufacturing of Functional Devices for Smart Society"</i>	Golden State Ballroom Golden State Ballroom Golden State Ballroom Town & Country A
	1:30 pm - 5:30 pm 2:00 pm - 2:20 pm 5:45 pm - 7:15 pm	Short Course: Practical TF Char.-An Intro—Reg Required Graduate Student Award Finalist Talk: Ahmed Bahr <i>Awards Ceremony & Bunshah Lecture: Lars Hultman, Linköping University, Sweden, "What TEM, What TEM, XRD, STM, AFM, HIM, LEED, 3DATP, DSC, Nanoindentation, DFT, and MD Tell You About Functional Nanostructured Ceramics"</i>	Town & Country Foyer Pacific E Town & Country A
	7:30 pm - 10:00 pm	Awards Reception	Town & Country Foyer
THURSDAY	7:30 am - 3:30 pm 8:00 am - 5:00 pm 12:20 pm - 1:20 pm 12:20 pm - 1:20 pm	Registration: Attendee/Career Center Technical Sessions ICMCTF 2024 Information Session (Invitation Only) <i>Focused Topic Session: Elsevier – Allan Matthews, "How to Publish in a Scientific Journal"</i>	Town & Country Foyer See Mobile App/Online Scheduler Town & Country D Town & Country C
	5:00 pm - 7:00 pm	Poster Session & Reception (including 3 HDTV poster demos)	Golden State Ballroom
FRIDAY	7:30 am - 9:00 am 8:00 am - 12:00 pm 12:00 pm - 1:00 pm	Attendee Registration Technical Sessions Thank You, See You Next Year Party!	Town & Country Foyer See Mobile App/Online Scheduler Flamingo Lawn