

2027 TechCon Tutorial Schedule

updated October 9, 2026

Sunday, May 2, 2027

B-140	Level Up: Career and Commercial Skills for Emerging Talent in the PVD Industry	6:30PM – 10:00PM
	Professional: \$0 or Student/Young Member: \$0	
C-103	An Introduction to Physical Vapor Deposition (PVD) Processes Morse	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
C-120	An Introduction to the Fascinating World of Decorative PVD Coatings Engels PM New!	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
C-205	Introduction to Optical Coating Design Sargent	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
C-310	Sputtering Bandorf	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
C-316	Introduction to Atomic Layer Deposition (ALD) Processes, Chemistries, and Applications Biyikli	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
M-120	Design of Experiments for R&D Grace	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
M-150	Cleaning Fundamentals for Coating Applications Wheeler PM	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
M-250	Deposition Process Simulation Gerdes AM	9:30AM – 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
M-301	Practical Application of RF Power in Plasma Processing Systems Simons PM New!	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
VT-201	Vacuum Systems, Materials and Operation O'Hanlon	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	

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Monday, May 3, 2027

C-204	Basics of Vacuum Web Coating Simmons AM	9:30AM – 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
M-102	Introduction to Ellipsometry Hilfiker PM	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
M-110	Introduction to X-Ray Photoelectron Spectroscopy Linford PM	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
M-210	Introduction to Solid-State Thin Film Batteries Gaines AM	9:30AM – 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
M-240	Basics and Applications of Electron Beam Technology for Manufacturing Processes Saager PM	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
VT-203	Understanding and Using Residual Gas Analyzers O'Hanlon	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	

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Tuesday, May 4, 2027

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| C-322 | Characterization of Thick Films, Thin Films and Surfaces | <i>Christensen</i> | 9:30AM – 5:00PM |
| | Professional: \$690 or Student/Young Member: \$280 | | |
| C-338 | Application of Reactive Sputtering | <i>Bandorf/Gerdes</i> | 9:30AM – 5:00PM |
| | Professional: \$690 or Student/Young Member: \$280 | | |
| M-201 | Flexible Electronics | <i>Muratore</i> PM | 1:30PM – 5:00PM |
| | Professional: \$470 or Student/Young Member: \$180 | | |
| VT-230 | Design and Specification of Vacuum Deposition Systems | <i>Belan</i> | 9:30AM – 5:00PM |
| | Professional: \$690 or Student/Young Member: \$280 | | |

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Wednesday, May 5, 2027

C-110	Materials for PVD Applications <i>Pernagidis/Ghailane</i>	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
C-210	Introduction to Plasma Processing Technology <i>Baráňková/Bárdos</i> AM	9:30AM – 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
C-212	Troubleshooting for Thin Film Deposition Processes <i>Miller/Vohra</i>	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
C-220	Introduction to Two-Dimensional Materials <i>Muratore</i> PM	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
C-245	Industrial Broad Beam Ion Sources <i>Rubin</i> AM	9:30AM – 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
C-306	Non-Conventional Plasma Sources and Methods in Processing Technology <i>Baráňková/Bárdos</i> PM	1:30PM – 5:00PM
	Professional: \$470 or Student/Young Member: \$180	
C-323	Fundamentals of High Power Impulse Magnetron Sputtering (HIPIMS) <i>Ehiasarian</i>	9:30AM – 5:00PM
	Professional: \$690 or Student/Young Member: \$280	
M-260	Advanced Packaging <i>Banerjee</i> AM	9:30AM – 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
VT-240	Practical Elements of Leak Detection <i>Deluca/Ridenour</i>	9:30AM – 5:00PM
VT-245	Hands-On Helium Mass Spectrometer Leak Detection <i>Deluca/Ridenour</i>	
	Professional: \$690 or Student/Young Member: \$280	

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Thursday, May 6, 2027

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| C-201 | Electron Beam Evaporation for Thin Film Deposition | <i>Belan</i> AM | 9:30AM – 1:00PM |
| | Professional: \$470 or Student/Young Member: \$180 | | |
| C-320 | Diamond-Like Carbon Coatings – From Basics to Industrial Realization | | 9:30AM – 1:00PM |
| | <i>Savva/Haubold/Keunecke/Stein/Petzold</i> AM | | |
| | Professional: \$470 or Student/Young Member: \$180 | | |
| M-103 | In Situ Spectroscopic Ellipsometry | <i>Pribil</i> PM | 1:30PM – 5:00PM |
| | Professional: \$470 or Student/Young Member: \$180 | | |
| M-140 | Mass Flow Controllers: Fundamentals, Troubleshooting, and Calibration | <i>Lewey</i> AM | 9:30AM – 1:00PM |
| | Professional: \$470 or Student/Young Member: \$180 | | |