

2025 TechCon Tutorial Schedule updated November 14, 2024

Saturday, May 17, 2025

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|--------|--|-----------------|
| C-103 | An Introduction to Physical Vapor Deposition (PVD) Processes <i>Shah</i> | 9:30AM - 5:30PM |
| | Professional: \$690 or Student/Young Member: \$280 | |
| C-205 | Introduction to Optical Coating Design <i>Sargent</i> | 9:30AM - 5:30PM |
| | Professional: \$690 or Student/Young Member: \$280 | |
| C-208 | Sputter Deposition for Industrial Applications <i>Glocker</i> | 9:30AM - 5:30PM |
| | Professional: \$690 or Student/Young Member: \$280 | |
| C-333 | Practice and Applications of High Power Impulse Magnetron Sputtering <i>Ehiasarian/Bandorf</i> | 9:30AM - 5:30PM |
| | Professional: \$690 or Student/Young Member: \$280 | |
| VT-201 | Vacuum Systems, Materials, and Operation <i>O'Hanlon</i> | 9:30AM - 5:30PM |
| | Professional: \$690 or Student/Young Member: \$280 | |

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Sunday, May 18, 2025

C-212	Troubleshooting for Thin Film Deposition Processes – Session 1 <i>Miller</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	
C-218	Advanced Design of Optical Thin Films <i>Willey</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	
C-323	Fundamentals of High Power Impulse Magnetron Sputtering (HIPIMS) <i>Ehiasarian</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	
C-329	Properties and Applications of Tribological Coatings <i>Doll/Matthews</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	
C-338	Application of Reactive Sputtering <i>Bandorf/Gerdes</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	
M-240	Basics and Applications of Electron Beam Technology for Manufacturing Processes <i>Saager</i> PM	2:00PM – 5:30PM
	Professional: \$470 or Student/Young Member: \$180	
VT-203	Understanding and Using Residual Gas Analyzers <i>O'Hanlon</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	

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Monday, May 19, 2025

C-110	Materials for PVD Applications <i>Pernagidis/Ghailane</i> New!	9:30AM – 5:30PM
	Professional: \$690 or Student/Young Member: \$280	
C-220	Introduction to Two-Dimensional Materials <i>Muratore</i> AM	9:30AM - 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
M-110	Introduction to X-Ray Photoelectron Spectroscopy <i>Linford</i> AM New!	9:30AM - 1:00PM
	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	
M-201	Flexible Electronics <i>Muratore</i> PM	2:00PM - 5:30PM
	Professional: \$470 or Student/Young Member: \$180	
M-210	Introduction to Solid-State Thin Film Batteries <i>Gaines</i> PM	2:00PM - 5:30PM
	Professional: \$470 or Student/Young Member: \$180	
M-230	Nanoscale Heat Transfer in Thin Films and Interfaces <i>Hopkins</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	
M-250	Deposition Process Simulation <i>Barton</i> AM	9:30AM - 1:00PM
	Professional: \$470 or Student/Young Member: \$180	
VT-240	Practical Elements of Leak Detection <i>Deluca</i>	9:30AM - 5:30PM
	Professional: \$690 or Student/Young Member: \$280	

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Tuesday, May 20, 2025

C-210	Introduction to Plasma Processing Technology Baránková/Bárdos AM Professional: \$470 or Student/Young Member: \$180	9:30AM - 1:00PM
C-214	Thin Film Debugging and Optimization Willey AM Professional: \$470 or Student/Young Member: \$180	9:30AM - 1:00PM
C-230	Processing of Plastics for Better Protection, Reflection, and Decoration Vergason AM Professional: \$470 or Student/Young Member: \$180	9:30AM - 1:00PM
C-306	Non-Conventional Plasma Sources and Methods in Processing Technology Baránková/Bárdos PM Professional: \$470 or Student/Young Member: \$180	2:00PM - 5:30PM
C-334	Manufacture of Precision Evaporative Coatings Oliver Professional: \$690 or Student/Young Member: \$280	9:30AM - 5:30PM
C-337	ITO and Alternative TCO: From Fundamentals to Controlling Properties Bright Professional: \$690 or Student/Young Member: \$280	9:30AM - 5:30PM
M-102	Introduction to Ellipsometry Hilfiker PM Professional: \$470 or Student/Young Member: \$180	2:00PM - 5:30PM
VT-230	Design and Specification of Vacuum Deposition Systems Belan Professional: \$690 or Student/Young Member: \$280	9:30AM - 5:30PM

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Wednesday, May 21, 2025

- C-204 [Basics of Vacuum Web Coating](#) *Simmons* **AM** 9:30AM - 1:00PM
Professional: \$470 or Student/Young Member: \$180
- C-217 [Practical Production of Optical Thin Films](#) *Willey* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- C-272 [Antimicrobial Coatings and a Field Guide to Evaluating Their Antimicrobial Activity](#) *Hettinger/Caputo* **AM** 9:30AM - 1:00PM
Professional: \$470 or Student/Young Member: \$180
- C-316 [Introduction to Atomic Layer Deposition \(ALD\) Processes, Chemistries, and Applications](#) *Biyikli* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- C-320 [Diamond-Like Carbon Coatings – From Basics to Industrial Realization](#) *Savva/Haubold/Keunecke/Stein/Petzold* **PM** 2:00PM - 5:30PM
Professional: \$470 or Student/Young Member: \$180

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Thursday, May 22, 2025

- C-212 [Troubleshooting for Thin Film Deposition Processes – Session 2](#) *Miller* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- C-322 [Characterization of Thick Films, Thin Films and Surfaces](#) *Christensen* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- M-120 [Design of Experiments for R&D](#) *Grace* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280