

2025 TechCon Tutorial Schedule

updated January 7, 2025

Saturday, May 17, 2025

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-310	Sputtering <i>Bandorf</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</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](#) *Miller* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- C-218 [Advanced Design of Optical Thin Films](#) *Willey* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- C-323 [Fundamentals of High Power Impulse Magnetron Sputtering \(HIPIMS\)](#) *Ehiasarian* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- C-329 [Properties and Applications of Tribological Coatings](#) *Doll/Matthews* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- C-338 [Application of Reactive Sputtering](#) *Bandorf/Gerdes* 9:30AM - 5:30PM
Professional: \$690 or Student/Young Member: \$280
- M-240 [Basics and Applications of Electron Beam Technology for Manufacturing Processes](#) 2:00PM – 5:30PM
Saager **PM**
Professional: \$470 or Student/Young Member: \$180
- VT-203 [Understanding and Using Residual Gas Analyzers](#) *O'Hanlon* 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>Baker</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-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

2025 TechCon Tutorial Schedule updated January 7, 2025

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