

# 2025 TechCon Tutorial Schedule

## updated November 14, 2024

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### Saturday, May 17, 2025

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

# 2025 TechCon Tutorial Schedule

## updated November 14, 2024

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**Sunday, May 18, 2025**

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

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Monday, May 19, 2025

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C-110	<a href="#">Materials for PVD Applications</a> <i>Pernagidis/Ghailane</i> <b>New!</b>	9:30AM – 5:30PM
	<b>Professional: \$690 or Student/Young Member: \$280</b>	
C-220	<a href="#">Introduction to Two-Dimensional Materials</a> <i>Muratore</i> <b>AM</b>	9:30AM - 1:00PM
	<b>Professional: \$470 or Student/Young Member: \$180</b>	
M-110	<a href="#">Introduction to X-Ray Photoelectron Spectroscopy</a> <i>Linford</i> <b>AM New!</b>	9:30AM - 1:00PM
	<b>Professional: \$470 or Student/Young Member: \$180</b>	
M-140	<a href="#">Mass Flow Controllers: Fundamentals, Troubleshooting, and Calibration</a> <i>Baker</i> <b>AM</b>	9:30AM - 1:00PM
	<b>Professional: \$470 or Student/Young Member: \$180</b>	
M-201	<a href="#">Flexible Electronics</a> <i>Muratore</i> <b>PM</b>	2:00PM - 5:30PM
	<b>Professional: \$470 or Student/Young Member: \$180</b>	
M-210	<a href="#">Introduction to Solid-State Thin Film Batteries</a> <i>Gaines</i> <b>PM</b>	2:00PM - 5:30PM
	<b>Professional: \$470 or Student/Young Member: \$180</b>	
M-230	<a href="#">Nanoscale Heat Transfer in Thin Films and Interfaces</a> <i>Hopkins</i>	9:30AM - 5:30PM
	<b>Professional: \$690 or Student/Young Member: \$280</b>	
M-250	<a href="#">Deposition Process Simulation</a> <i>Barton</i> <b>AM</b>	9:30AM - 1:00PM
	<b>Professional: \$470 or Student/Young Member: \$180</b>	
VT-240	<a href="#">Practical Elements of Leak Detection</a> <i>Deluca</i>	9:30AM - 5:30PM
	<b>Professional: \$690 or Student/Young Member: \$280</b>	

# 2025 TechCon Tutorial Schedule

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Tuesday, May 20, 2025

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

## 2025 TechCon Tutorial Schedule updated November 14, 2024

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Wednesday, May 21, 2025

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- 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 November 14, 2024

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Thursday, May 22, 2025

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- 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**