

2024 TechCon Tutorial Schedule

updated September 9, 2023

Saturday, May 4, 2024

- C-103 [An Introduction to Physical Vapor Deposition \(PVD\) Processes](#) *Shah* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-205 [Introduction to Optical Coating Design](#) *Sargent* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-208 [Sputter Deposition for Industrial Applications](#) *Glocker* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-230 [Processing of Plastics for Better Protection, Reflection, and Decoration](#) *Vergason* **AM** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-333 [Practice and Applications of High Power Impulse Magnetron Sputtering](#) *Ehiasarian/Bandorf* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- VT-201 [High Vacuum Systems and Operation](#) *O'Hanlon* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280

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Sunday, May 5, 2024

- C-212 [Troubleshooting for Thin Film Deposition Processes – Session 1](#) *Miller* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-218 [Advanced Design of Optical Thin Films](#) *Willey* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$330, Student/Young Member Tutorial Only: \$380
- C-316 [Introduction to Atomic Layer Deposition \(ALD\) Processes, Chemistries, and Applications](#) *Biyikli* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-323 [Fundamentals of High Power Impulse Magnetron Sputtering \(HIPIMS\)](#) *Ehiasarian* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-329 [Properties and Applications of Tribological and Decorative Coatings](#) *Doll/Matthews* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- VT-203 [Residual Gas Analyzers and Analysis](#) *O'Hanlon* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280

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Monday, May 6, 2024

- C-217 [Practical Production of Optical Thin Films](#) *Willey* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-322 [Characterization of Thick Films, Thin Films and Surfaces](#) *Christensen* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- C-334 [Manufacture of Precision Evaporative Coatings](#) *Oliver* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280

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Tuesday, May 7, 2024

- C-214 [Thin Film Deposition Optimization](#) Willey **AM** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-220 [Introduction to Two-Dimensional Materials](#) Muratore **AM** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-320 [Diamond-Like Carbon Coatings – From Basics to Industrial Realization](#) 9:30AM - 1:00PM
Savva/Haubold/Keunecke/Stein/Petzold **AM**
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-337 [ITO and Alternative TCO: From Fundamentals to Controlling Properties](#) Bright 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- M-102 [Introduction to Ellipsometry](#) Hilfiker **AM** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- M-201 [Flexible Electronics](#) Muratore **PM** 2:00PM - 5:30PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- VT- 230 [Design and Specification of Vacuum Deposition Systems](#) Belan 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280

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Wednesday, May 8, 2024

- C-204 [Basics of Vacuum Web Coating](#) *Simmons* **AM** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-210 [Introduction to Plasma Processing Technology](#) *Baránková/Bárdos* **AM** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-306 [Non-Conventional Plasma Sources and Methods in Processing Technology](#) 2:00PM - 5:30PM
Baránková/Bárdos **PM**
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-272 [Biomedical Coatings for Antimicrobial Applications](#) *Hettinger/Caputo* **AM New!** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- C-338 [Application of Reactive Sputtering](#) *Bandorf/Gerdes* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- M-210 [Introduction to Solid-State Thin Film Batteries](#) *Gaines* **PM** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- M-240 [Basics and Applications of Electron Beam Technology for Manufacturing Processes](#) *Saager* **New!** 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- VT-240 [Practical Elements of Leak Detection](#) *Deluca* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280

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Thursday, May 9, 2024

- C-212 [Troubleshooting for Thin Film Deposition Processes – Session 2](#) *Miller* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- M-120 [Design of Experiments for R&D](#) *Grace* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- M-140 [Mass Flow Controllers: Fundamentals, Troubleshooting, and Calibration](#) *Baker* **AM New!** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180
- M-230 [Nanoscale Heat Transfer in Thin Films and Interfaces](#) *Hopkins* 9:30AM - 5:30PM
Professional with Conference: \$565, Professional Tutorial Only: \$690
Student/Young Member with Conference: \$230, Student/Young Member Tutorial Only: \$280
- M-250 [Deposition Process Simulation](#) *Barton* **AM New!** 9:30AM - 1:00PM
Professional with Conference: \$410, Professional Tutorial Only: \$470
Student/Young Member with Conference: \$160, Student/Young Member Tutorial Only: \$180