

MSC TRAINING SYMPOSIUM

Event Program



Presidents Message

Welcome to the 2026 MSC Training Symposium. The 2026 theme is: Training—Training—Training. We, as an industry, need to double down on training. We must pass down as much knowledge as possible to the next generation of calibration engineers and technicians.

Michael Schwartz, President



Symposium Course Overview

Monday February 2	Tuesday February 3	Wednesday February 4	Thursday February 5
Tutorial Workshops Full Day T01, T02, T03, T04 Half Day AM T05 Half Day PM T06	Tutorial Workshops Full Day T07, T14 Half Day AM T08, T09, T11, T21, T23 Half Day PM T16, T17, T18, T25	Tutorial Workshops Full Day T10, T13 Half Day AM T12, T20, T24 Half Day PM T19	Tutorial Workshops Half Day AM T22
NIST Seminars 1 Day: N01, N04	NIST Seminars 2 Day: N02, N03	Technical Sessions 1A, 1B/SP1 2A, 2B/SP2, 2C, 2D 3A, 3B/SP3, 3C, 3D 4A, 4B/SP4, 4C, 4D	Technical Sessions & Hands-On Workshop 5A, 5B/SP5, 5C 6A, 6B/SP6, 6C
Welcome Reception	Exhibitor Reception	President Reception	AI Plenary

Monday — February 2 Agenda

7:00 AM	Registration: Garden Foyer, N Tower	12:00 PM	Luncheon: Garden 4, N Tower
7:00 AM	Breakfast: Garden 4, N Tower	1:15 PM	Courses Resume
8:00 AM	Courses Start	3:00 PM	PM Break: Garden 4, N Tower
10:00 AM	AM Break: Garden 4, N Tower	6:00 PM	Evening Reception: Garden 4, N Tower

Exhibit Hall Hours

Wednesday: 7:00 AM-5:00 PM, Thursday: 7:00 AM-12:00 PM

NIST Seminars | Monday, February 2 | 8:00 AM

- N01** **An Introduction to Time and Frequency Metrology**
Instructors: Andrew Novick & Benjamin Pera, NIST [Garden 2, N Tower](#)
- N04** **Introduction to Humidity and Trace Moisture Measurement**
Instructor: Chris Meyer, NIST [Salon VIII, N Tower](#)

Tutorial Sessions Full Day | Monday, February 2 | 8:00 AM

- T01** **"The Book" on Resistance, from 0.1 Micro Ohm through 100 TeraOhm Measurements**
Speaker: Tim Stark, Guildline Instruments [Harbor Rm, N Tower](#)
- T02** **Level 1 Temperature**
Speaker: Josh Mitchell, SINE Calibration [Pacific Rm, N Tower](#)
- T03** **General Metrology Fundamentals**
Speaker: Zachary Saleet, Garber Metrology [Salon I, N Tower](#)
- T04** **Level 1 Pressure**
Speaker: Jared Ford, In-Cal [Garden 3, N Tower](#)

Tutorial Sessions AM | Monday, February 2 | 8:00 AM

- T05** **Test Uncertainty—the Revolution in Evaluating Measurement Uncertainty**
Speaker: Jim Salisbury, Mitutoyo America [Salon VII, N Tower](#)

Tutorial Sessions PM | Monday, February 2 | 1:15 PM

- T06** **Risk Management—Application of Tools for Oversight, Assessment, & Control**
Speaker: Mark Lindsey, Disney [Salon VII, N Tower](#)

Tuesday — February 3 Agenda

7:00 AM	Registration: Grand Foyer	12:00 PM	Luncheon + Speaker: Grand Hall E-G
7:00 AM	Breakfast: Garden Foyer	1:15 PM	Courses Resume
8:00 AM	Courses Start	3:00 PM	PM Break: Grand Foyer
10:00 AM	AM Break: Garden Foyer	5:30 PM	Exhibitors Reception: Grand Hall A-D

NIST Seminars | Tuesday, February 3 | 8:00 AM

- N02** **Pressure and Vacuum Measurements**
Instructors: Jacob Ricker & Chris Meyer, NIST **Day 1** [Garden 3, N Tower](#)
- N03** **Hands-On Workshop on Assessing and Reporting Measurement Uncertainty**
Instructors: Jack Prothero & Caitlin Berry, NIST **Day 1** [Salon V, N Tower](#)

Tutorial Sessions Full Day | Tuesday, February 3 | 8:00 AM

- T07 Level 1 RF and Microwave**
Speaker: Marc Albert, Avalon Test Equipment Garden 4, N Tower
- T14 Metrology 101: Back to Basics**
Speaker: Tim Mason Harbor Rm, N Tower

Tutorial Sessions AM | Tuesday, February 3 | 8:00 AM

- T08 GXP Metrology: A Strategic Approach to Biopharma Calibration Process Management**
Speaker: Miguel Cerezo, Kite Pharmaceuticals Salon I, N Tower
- T09 Mass and Mass Related Metrology: Fundamentals & Uncertainty Contributor Calculations**
Speakers: Yvette Volschenk & Anna Escarcega, ANAB Salon VII, N Tower
- T11 Standards Driven Training Systems in Calibration Laboratories**
Speaker: Helena Stevens Salon VI, N Tower
- T21 Uncertainty FUNDamentals & Application**
Speaker: Mark Ruefenacht Garden 2, N Tower
- T23 Precision In Practice: Mastering the 55XX Calibrator Family & the 8588A Reference Multimeter**
Speakers: Richard Roddis & Marty Conway Pacific Rm, N Tower

Tutorial Sessions PM | Tuesday, February 3 | 1:15 PM

- T16 Hands-On Dimensional Calibration, focused on small tools like calipers & micrometers**
Speakers: Jeff Meyerholz & Jim Salisbury, Mitutoyo America Salon I, N Tower
- T17 RF Metrology: Fundamentals and Uncertainty Contributor Calculations**
Speakers: Anna Escarcega & Yvette Volschenk, ANAB Salon VII, N Tower
- T18 PT/ILC Strategy for (Accredited) Calibration Laboratories**
Speaker: Giulia Suriani Salon VI, N Tower
- T25 Conductivity**
Speaker: Jason Burns, Mettler Toledo Salon IV, N Tower

Wednesday — February 4 Agenda

7:00 AM	Registration: Grand Foyer	12:15 PM	Luncheon + Speaker: Grand Hall E-G
7:00 AM	Breakfast: Grand Hall A-D	1:30 PM	Courses Resume
7:00 AM	Exhibit Hall Open: Grand Hall A-D	3:00 PM	PM Break: Grand Hall A-D
8:00 AM	Courses Start	5:30 PM	President's Reception: Grand Hall G
10:00 AM	AM Break: Grand Hall A-D		

NIST Seminars | Wednesday, February 4 | 8:00 AM

- N02 Pressure and Vacuum Measurements**
Instructors: Jacob Ricker & Chris Meyer, NIST Day 2 Garden 3, N Tower
- N03 Hands-On Workshop on Assessing and Reporting Measurement Uncertainty**
Instructors: Jack Prothero & Caitlin Berry, NIST Day 2 Salon V, N Tower

Tutorial Sessions Full Day | Wednesday, February 4 | 8:00 AM

T10 HEPA Certification Tutorial

Speaker: Michael Islas

Salon VII, N Tower

T13 Level 1 Electronics

Speaker: Matt Goodrich, SINE Calibration

Garden 4, N Tower

Tutorial Sessions AM | Wednesday, February 4 | 8:00 AM

T12 Deadweight Pressure Testers

Speaker: Scott Crone

Harbor Rm, N Tower

T20 Risk Management and Management System Improvement Methodologies

Speaker: Prasanth S Ramakrishnan, MS Leed-AP

Salon VI, N Tower

T24 GWP: Good Weighing Practices

Speaker: Ian Ciesniewski, Mettler

Pacific Rm, N Tower

Tutorial Sessions PM | Wednesday, February 4 | 1:30 PM

T19 Dry Block Calibrators—Construction, Evolution, Theory, and Practical Use

Speaker: Scott Crone

Harbor Rm, N Tower

NIST Seminars PM | Wednesday, February 4 | 1:30 PM

N08 Introduction to Photonic Sensing and Optical Based Sensors

Instructor: Kevin Douglass, NIST

Pacific Rm, N Tower

Hands-On Tech Sessions | Wednesday, February 4 | 8:45 AM

	Salon I	Garden 2	Salon VIII	Salon IV
Session 1 8:45 - 10:00am	1A Artificial Intelligence & Metrology Digitization Speakers: Mike Schwartz & Jeff Gust	1B/SP1 Digital Multimeter Calibration, Hands-On Speakers: Jack Somppi & Jesse Morse		
Session 2 10:45 - 12:00pm	2A Quality Assurance Speakers: Mark Lindsey & Mike Melendez	2B/SP2 Fundamentals of Gas Flow Calibration Speakers: Jeff Grossman & Tim Francis	2C Hand Pumps, Pressure Fittings & Hoses Speaker: Bill Ridler	2D Thermal Imaging Binoculars Speaker: Reza Sadeghi
Session 3 1:45 - 3:00pm	3A How to Demonstrate Fit for Purpose Speaker: Jane Weitzel	3B/SP3 Practical Pressure Calibration Speakers: Kurt Stridinger & Scott Crone	3C Liquid Flow Speaker: Steven Garia	3D Night Vision Goggles Speaker: Reza Sadeghi
Session 4 3:45 - 5:00pm	4A Holistic View of Measurement Quality & Decision Rules Speaker: Jim Salisbury	4B/SP4 Temperature Calibration Explained Speaker: Travis Porter	4C Thermal Mapping vs. Continuous Mapping Speaker: Quy Tran	4D How to Complete an IAS 17025:2017 Audit Speaker: Prasanth S Ramakrishnan

Thursday — February 5 Agenda

7:00 AM	Registration: Grand Foyer	8:00 AM	Courses Start
7:00 AM	Exhibit Hall Open: Grand Hall A-D	10:00 AM	AM Break: Grand Hall A-D
7:00 AM	Breakfast: Grand Hall A-D	12:15 PM	Luncheon + Scholarships: Grand Hall E-G

Tutorial Sessions AM | Thursday, February 5 | 8:00 AM

T22 Measurement Quality Documentation Records

Speaker: Emily Purchase

[Garden 3, N Tower](#)

Hands-On Tech Sessions | Thursday, February 5 | 8:45 AM

	Salon I	Garden 2	Salon VIII
Session 5 8:45 - 10:00am	5A How to Measure a Calibration Operation's Overall Performance Part 1 Speaker: Jesse Morse	5B/SP5 IndySoft Enterprise Asset Manager (IAM) Training Session Speakers: Mitchell Jones & Nick Bates	5C Pipette Calibration Speaker: Larry Newman
Session 6 10:45 - 12:00pm	6A How to Measure a Calibration Operation's Overall Performance Part 2 Speaker: Jesse Morse	6B/SP6 MET/CAL Procedures and Procedure Authorizing in CalStudio Speaker: Michael Johnston	6C Practical Temperature Calibration Speaker: Kurt Stridinger & Scott Crone

AI Plenary | Thursday, February 5 | 1:45 PM

Artificial Intelligence and Its Use in Metrology

Speakers: Mike Schwartz, Michael Brown, Ly Phey & Kevin Mastriano

[Pacific Rm, N Tower](#)

Keynote Speakers

TUESDAY	Embracing the Struggle: A Plan for Addressing Training Needs in Calibration Laboratories Helena Stevens	Grand Hall E-G
WEDNESDAY	Fit for Purpose: Metrology, the United States Pharmacopeia & Measurement Uncertainty Jane Weitzel + Woodington Award	Grand Hall E-G
THURSDAY	Foundations of Quality Management from Deming to AI Catherine Martin + Scholarships	Grand Hall E-G

FREE Sponsored Content Sessions | Wednesday, February 4 | 8:45 AM

1B/SP1	Digital Multimeter Calibration Speakers: Jack Sommpji, Meatest & Jesse Morse, Morse Metrology	Garden 2, N Tower
2B/SP2	Fundamentals of Gas Flow Calibration Speakers: Jeff Grossman & Tim Francis, Fluke	Garden 2, N Tower
3B/SP3	Practical Pressure Calibration Speakers: Kurt Stridinger & Scott Crone, Ametek	Garden 2, N Tower
4B/SP4	Temperature Calibration Explained: History, Standards, and How to Build a Complete Solution Speaker: Travis Porter, Fluke	Garden 2, N Tower
5B/SP5	IndySoft Enterprise Asset Manager (IAM) Training Session Speakers: Mitchell Jones & Nick Bates, IndySoft	Garden 2, N Tower
6B/SP6	MET/CAL Procedures and Procedure Authoring in CalStudio Speaker: Michael Johnston, Fluke	Garden 2, N Tower

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