

April 14—17, 2025 Anaheim, California

MSC Training Symposium

Course Planner



Monday April 14	Tuesday April 15	Wednesday April 16	Thursday April 17
Tutorial Workshops Half Day AM T01, T02, T03, T04	Tutorial Workshops Full Day T05, T06, T09	Exhibit Hall	Exhibit Hall
Tutorial Workshops Half Day PM T10, T11, T12, T13	Tutorial Workshops Half Day AM T16	Tutorial Workshops Half Day AM T17	Technical Sessions & Hands-On Workshops 5A, 5B, 5C 6A, 6B, 6C
NIST Seminars 2 Day N01		Technical Sessions & Hands-On Workshops 1A, 1B, 1C 2A, 2B, 2C 3A, 3B, 3C 4A, 4B, 4C	
	NIST Seminars 3 Day N04		
	Tutorial Workshops Half Day PM T14, T15	Tutorial Workshops Full Day T07, T08	NIST Seminars 1 Day N07
Welcome Reception	Exhibitors Reception	President's Reception	

Register at: <https://annualconf.msc-conf.com> | 866 - 672 - 6327

MSC TRAINING SYMPOSIUM

April 14—17, 2025 Anaheim, California



Presidents Message

Please join us at the Measurement Science Conference (MSC) Training Symposium, April 14 to 17, 2025 as we explore “Empowering the Future of Calibration”. At MSC 2025, Metrologists will have an opportunity to learn and enhance various metrology-related skills from Physical Calibrations to Electrical Calibrations, and everything in between.



MSC 2025 will have multiple training tracks including technician calibration training, Engineering Training through our close partnership with NIST, and different sessions, including some with a focus on Management training, Quality Symposium, Marketing, Regulation Compliance focused on specialized industries like the Pharmaceutical, Space & Aeronautics, Power generation, Oil & Gas, and more.

Set aside time for the 2025 MSC Exhibit Hall—a great way to experience the latest in advanced products and services from pioneering companies serving the measurement community. In addition to the Welcome Reception, the Exhibit Hall is the setting for informal networking breaks, valuable presentations, and opportunities to connect and engage with the many administrators, executives, and other leaders in the calibration and metrology community.

MSC 2025 will be conveniently located and easy to reach from 3 major airports, plenty of hotel space, and well-known for family-friendly activities and entertainment. I can't wait for you to join us at the world-renowned Disneyland Conference Center and Hotel in Anaheim, California April 14-17, 2025.

Galen Liao, President

Disneyland® Hotel Convention
Center



Disneyland® Hotel Convention Center

1150 West Magic Way, Anaheim, California 92802

(714) 520-5005

<https://annualconf.msc-conf.com/hotel/>

NIST Seminars

Full Course Descriptions at [msc-conf.com](https://annualconf.msc-conf.com)



Multi-Day Courses

No1 Fundamentals of Metrology

Speakers: Micheal Hicks and Mark Ruefenacht

2 Days: Monday – Tuesday

No4 Hands-On Workshop on Assessing and Reporting Measurement Uncertainty

Speakers: Will Guthrie and Jack Prothero

3 Days: Tuesday – Thursday

Full-Day Courses

No7 An Introduction to Time and Frequency Metrology

Speakers: Andrew Novick and Benjamin Pera

1 Day: Thursday

Exhibit Hall

The MSC Exhibit Hall features the finest in measurement equipment and services. We invite you to visit the MSC Exhibit Hall during the scheduled viewing times to engage in the latest of advanced products and services from innovative companies serving the measurement community.

Exhibit Hall Hours:

Wednesday: 7:30 AM - 5:00 PM,

Thursday: 7:30 AM - 12:00 PM

Exhibitor Reception

Tuesday, April 15th 6:00 PM — 8:00 PM

Enjoy a delightful variety of foods and beverages. On Wednesday and Thursday we provide three access times during the day. This allows time for both the program sessions and one on one time with the exhibitors and their latest knowledge and technical equipment. Come, learn, and network.

Luncheon Keynote Speakers

Tuesday, April 15th: John Kennedy, OCWD

Wednesday, April 16th: Chris Alexander & Woodington Award Presentation

Thursday, April 17th: Carrie Nocella, Disney®

Tutorial Workshops

Full Course Descriptions at [msc-conf.com](https://annualconf.msc-conf.com)



Monday: Half-Day AM Courses

- T01 I Can't Hear Without My Subtitles: The Importance of Learning Styles**
Instructor: Helena Stevens Half Day AM: Monday
- T02 Risk Management and Quality Improvement Methodologies in a Laboratory – Accreditation Perspective**
Instructors: Prasanth S. Ramakrishnan and Giulia Suriani Half Day AM: Monday
- T03 Good Weighing Practices**
Instructor: Ian Ciesniewski Half Day AM: Monday
- T04 Deadweight Pressure Tester Fundamentals**
Instructor: Scott Crone Half Day AM: Monday

Monday: Half-Day PM Courses

- T10 GXP Metrology: A Strategic Approach to Biopharma Calibration Process Management**
Instructor: Miguel Cerezo Half Day PM: Monday
- T11 Implementing Measurement Systems Analysis, Statistical Process Control, and Process Capability Studies**
Instructor: Mark Lindsey Half Day PM: Monday
- T12 Internal Auditing of Your ISO/IEC 17025 Accredited Laboratory**
Instructors: Prasanth S. Ramakrishnan and Giulia Suriani Half Day PM: Monday
- T13 Virtual Temperature Buffering: A Replacement for Physical Buffer**
Instructor: Michael Rusnack Half Day PM: Monday

Tuesday: Full-Day Courses

- T05 How to Select, Implement & Maintain Calibration Management Software**
Instructor: Walter Nowocin Full Day: Tuesday
- T06 Introduction to MET/CAL Procedure Writing**
Instructor: Michael Johnston Full Day: Tuesday
- T09 Understanding ISO/IEC 17025 & Internal Auditing of ISO/IEC 10725:2017**
Instructor: Randy Long Full Day: Tuesday

Tuesday: Half-Day AM Courses

- T16 Introduction to Light and Optical Radiation Measurements**
Instructor: Chris Ruff Half Day AM: Tuesday

Tutorial Workshops

Full Course Descriptions at [msc-conf.com](https://annualconf.msc-conf.com)



Tuesday: Half-Day PM Courses

T14 How to Calibrate Pressure Gauges and Pressure Sensors

Instructor: Roberto Benitez

Half Day PM: Tuesday

T15 Dry Block Temperature Calibrator Fundamentals

Instructor: Scott Crone

Half Day PM: Tuesday

Wednesday: Half-Day AM Courses

T17 Force Calibration and Measurements

Instructor: Mike Tovey

Half Day AM: Wednesday

Wednesday: Full-Day Courses

To7 Starting a New Laboratory or Want to Expand the Laboratory

Instructor: Yvette Volshenk and Anna Escarcega

Full Day: Wednesday

To8 Metrology 101: Back to Basics

Instructor: Tim Mason

Full Day: Wednesday

Join us this year for the 2025 Measurement Science Conference: Empowering the Future of Calibration. MSC 2025 will have multiple training tracks including technician calibration training, Engineering Training through our close partnership with NIST, and different sessions, including some with a focus on Management training, Quality Symposium, Marketing, Regulation Compliance focused on specialized industries like the Pharmaceutical, Space & Aeronautics, Power generation, Oil & Gas, and more.



7:00 am—5:00 pm Registration Desk Open

	Track A	Track B	Track C
Session 1 8:45 am — 10:00 am	1A: Model Driven Software Engineering for Metrology Speaker: Michael L. Schwartz, <i>Cal Lab Magazine</i>	1B: Optimizing End-of-Life Asset Management for Laboratory Equipment & Facilities: Strategies for Sustainability and Capital Recovery Speaker: Steve Balmer, <i>Reuzeit Company</i>	1C: Practical Pressure Calibration, Hands-On Speaker: Scott Crone and Kurt Stridinger, <i>Ametek</i>

10:00 am — 10:30 am Morning Break—Exhibit Viewing

Session 2 10:45 am — 12:00 pm	2A: Data-Driven Laboratories Leveraging Calibration Metrics for Enhanced Operations Speaker: Larry Newman, <i>Performance Business Consultants</i>	2B: A Quality Review: The Best Technical Papers for Life Science Calibration and Testing Laboratories Speaker: Walter Nowocin, <i>Indysoft</i>	2C: Non-Destructive Testing Speaker: Mike Menendez and Mark Lindsey, <i>Disneyland®</i>
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12:15 pm — 1:30 pm Lunch: Keynote Speaker and Woodington Award

Session 3 1:45 pm — 3:00 pm	3A: Government Contracts CAGE Codes Speaker: Ginger Hazzard, <i>NSWC Corona</i>	3B: AI Assisted Calibration and Digital Certificate Speaker: Sami Koskinen, <i>Beamex</i>	3C: Precision Gas Flow Calibration with DryCal Pt. 1 Speaker: Ram Parameshwar, <i>Mesa Labs</i>
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2:30 pm — 3:00 pm Afternoon Break—Exhibit Viewing

Session 4 3:45 pm — 5:00 pm	4A: Process Improvement for Laboratories Speaker: Ginger Hazzard, <i>NSWC Corona</i>	4B: Essential Tools and Considerations for Launching an Electrical Calibration Business Speaker: Jack Somppi	4C: Precision Gas Flow Calibration with DryCal Pt. 2 Speaker: Ram Parameshwar, <i>Mesa Labs</i>
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5:00 pm — 10:00 pm President's Reception



7:00 am—5:00 pm Registration Desk Open

	Track A	Track B	Track C
Session 5 8:30 am — 10:00 am	5A: Grounding Measurements Speaker: Mike Palmer, <i>Megger</i>	5B: Flow Measurements Speaker: Emerson	1C: Pipette Calibration Speaker: Larry Newman, <i>Performance Business Consultants</i>

10:00 am —10:30 am Morning Break—Exhibit Viewing

Session 6 10:45 am — 12:15 pm	6A: Electrical Calibrations - Improving the Throughput and Efficiency in the Calibration Laboratory Speaker: Richard Roddis, <i>Fluke Electronics</i>	6B: Hands-On Temperature Calibration Speaker: Scott Crone and Kurt Stridinger, <i>Ametek</i>	6C: Temperature Validation Speaker: Quy Tran, <i>Sound Life Science Services</i>
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12:15 pm — 1:30 pm Lunch: Scholarships

March 25 - 28, 2024 Anaheim, California

Symposium General Information

Full Course Descriptions at [msc-conf.com](https://annualconf.msc-conf.com)



Register at: <https://annualconf.msc-conf.com>

866 - 672 - 6327

Registration

Course Fee Schedule

4 Day Inclusive Pass:	\$ 1,695
3 Day Inclusive Pass:	\$ 1,495
2 Day Inclusive Pass:	\$ 1,295
1 Day Inclusive Pass:	\$ 995
Exhibit Hall Passes:	Free

Register at

<https://annualconf.msc-conf.com>

Hotel and Theme Park Information

Disneyland® Hotel Convention Center

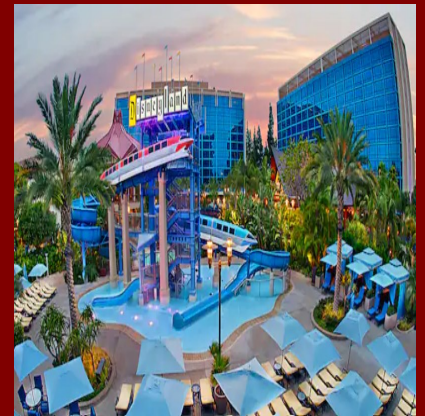
MSC Room Rates: \$304/night + taxes

To Book Hotel Room & Purchase Discount Theme Park Tickets, go to:

<https://annualconf.msc-conf.com/hotel/>

1150 West Magic Way, Anaheim, CA 92802

(714) 520-5005



MSC Business Office

MSC Training Symposium

15642 Sand Canyon Ave. # 51628 Irvine, CA 92619

Information: 866 - 672 - 6327

Cage Code: 37GZ0