



**NCSL INTERNATIONAL**  
*Serving the World of Measurement*



# NCSL International Update

2023

# Membership Organization

Provides opportunities for measurement science professionals to network, exchange information, address challenges, and grow:

- Measurement education, technical, and professional **skills development**
- Network to **resolve** measurement **challenges**
- Access and develop **standards and guidance** relevant to metrology, quality, laboratory management, and asset management
- Serve on **impactful committees** relevant to various industries
- Access to virtual and in-person events covering **all areas of metrology**

# Board of Directors Structure

## Operational

### Executive Committee

- President – *Georgette Macdonald*
- Imm. Past President – *Rob Knake*
- Secretary – *Sita Schwartz*
- Treasurer – *Ingrid Ulrich*
- VP Outreach – *Jeff Gust*

### Voting Members

- Operational VPs
- Divisional VPs
- At Large Directors

## Representatives

### National Metrology Institutes

- NIST - USA
- NRC - Canada
- CENAM - Mexico
- NMIJ - Japan
- NPL – United Kingdom

### Metrology Organizations

- BIPM
- SIM
- EURAMET

# Committee Activities and Projects

Ongoing Operational Vice President Structure:

- Measurement Requirements & Analysis
- Laboratory Operations Committee
- Industrial Metrology Committee
- Standards and Practices Committee

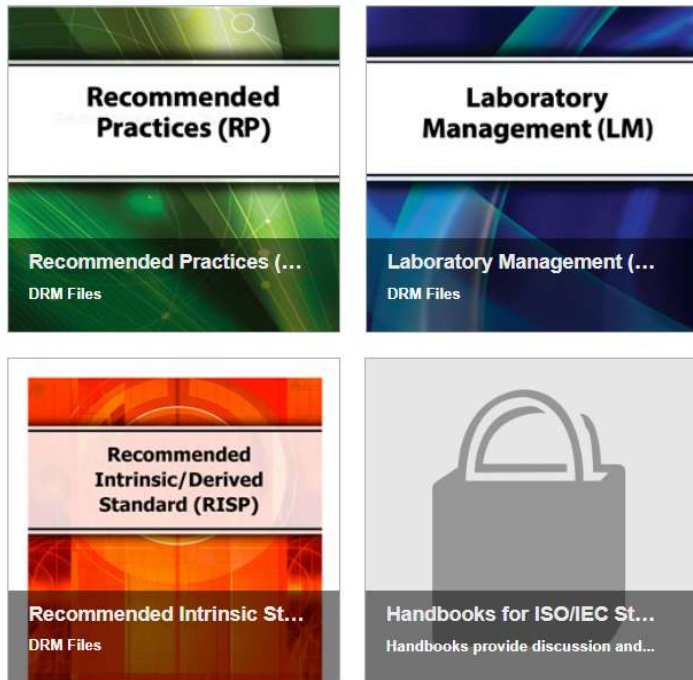
Examples of Active projects

1. Adopting as US National Standards (ANSI) - JCGM GUM suite
2. LM-1 Calibration Laboratory Manager's Handbook
3. RP- 3 Calibration Procedures Requirements
4. LM-1 Calibration Certificate Review
5. AC-DC Active Career Development Committee (for measurement professionals)



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# Committee Activities and Projects



[NCSLI Online Store](#)



[Handbook for the Application of ISO/IEC 17025:2017](#)

# Quality Infrastructure connections



**ANSI Standards Writing Body “Z540”**



**ISO Casco Liaison A Member  
ISO/TC 176 Quality Management and Quality Assurance**



**ILAC Member and Chair of Laboratory Committee**





**TECHNICAL**  **EXCHANGE**  
MEASUREMENT TRAINING PROVIDED BY NCSL INTERNATIONAL

**January 22 - 24, 2024**  
**New Orleans, Louisiana**

Technician focused hands-on training

3 days of tutorials focused on metrology, quality systems, and laboratory management.

Networking and Social Events including an optional ghost tour of New Orleans

Exhibitors from companies supporting the tutorial instructors

## CURRENT MEMBER ON DEMAND WEBINARS

Introduction to the ISO/IEC 17025:2017 Handbook [Learn More](#)

Got Covid Cal Interval Extension Challenges?

Flow Testing for Non-Destructive Quality Assurance

How to Comply with Calibration Standards, Past and Present Efficiently

A Global Effort to Digitize Metrology

Metrology Software Meets Model-Driven Engineering

The Pharmaceutical Cold Chain - From Manufacturing to Distribution [Learn More](#)

Uncertainty for Technicians

Decision Rule – ISO/IEC 17025:2017 Requirements and Examples of Implementation

Introduction to Geometric Dimensioning and Tolerancing

Theory and Operation of Dry-Block Temperature Calibrators

Force Calibration

Metrology and the Updated SI



<https://ncsli.org/page/ODW>



# Keep Up to Date on Metrology Events

The screenshot shows the NCSL International website's Metrology Events Calendar. The page features a navigation bar with links for About Us, Programs, Events, Store, Publications, Education, Career Center, and Join Now. Below the navigation bar are logos for NCSL International, measure, me-trolo-gist, NCSL International Workshop & Symposium, and TECHNICAL EXCHANGE. The main content area is titled "Metrology Events Calendar" and includes a filter for "All Categories" and a "Month View" option. The calendar lists upcoming events for Wednesday, May 17, 2023, and Thursday, May 18, 2023. Each event entry includes the event name, date, location, and time, along with options to "Export to Your Calendar" and "Register".

**Metrology Events Calendar**

All Categories Upcoming Past Month View RSS

**UPCOMING EVENTS**

**WEDNESDAY, MAY 17, 2023**

**NCSL International Minnesota Section Meeting 2023**  
5/17/2023  
Location: Shorewood, Minnesota Time: 7:30 AM - 3:30 PM  
Export to Your Calendar Register

**THURSDAY, MAY 18, 2023**

**NCSL International Alabama Section Meeting 2023**  
5/18/2023  
Location: Alabama Time: 7:30 AM - 3:30 PM  
Export to Your Calendar Register

**TUESDAY, MAY 23, 2023**

**NCSL International Illinois Section Meeting 2023**  
5/23/2023  
Location: Aurora, Illinois Time: 8:00 AM - 4:00 PM  
Export to Your Calendar Register

**Sign In**

Username  
Password  
Sign In

Forgot your password?  
Haven't Joined Yet?

**Latest News** more

There are currently no news items posted.

**Calendar** more

5/17/2023  
NCSL International Minnesota Section Meeting 2023

5/18/2023

[https://ncsli.org/events/event\\_list.asp](https://ncsli.org/events/event_list.asp)



# METROLOGIST Magazine



Member publication to keep members up to date on NCSLI International and member activities as well upcoming events and relevant metrology topics.

**Available to all members!**

# MEASURE The Journal of Measurement Science

## Utilizing the SI Redefinition and “NIST on a Chip” to Develop and Insert Quantum-Based, Intrinsically Accurate Technology across the Air Force, Army, and Navy

Jeremy Latsko, Rusty Kauffman, Bob Fritzsche

*NCSLI Measure* | Vol. 14 No. 2 (2022) |

<https://doi.org/10.51843/measure.14.2.6>

## Design, Construction and Calibration of a Step Gauge of Nests for Performance Evaluation of Laser Trackers

Octavio Icasio Hernández, Iván Espinosa Nulutagua

*NCSLI Measure* | Vol. 14 No. 1 (2022) | <https://doi.org/10.51843/measure.14.1.4>

## Pressure Calibration of Quarter-Inch Working Standard Microphones by Comparison

Andrew C.H. Au, Brenda H.S. Lam, Y.C. Kwan, Angus K.K. Tung

*NCSLI Measure* | Vol. 14 No. 1 (2022) | <https://doi.org/10.51843/measure.14.1.7>

Publisher: NCSL International | Published 2022 | Pages 40-48



SAVE THE DATE!  
**JULY 6–11**  
**2024**

2024 NCSL INTERNATIONAL & CPEM CONFERENCE THEME  
**Innovation through Measurement**  
*A focus on critical and emerging technologies*

TOPICS  
INCLUDE

Artificial  
Intelligence

Advanced  
Communications

Biotechnology

Cybersecurity  
& Privacy

Energy  
Technologies

Quantum  
Information  
Science

Call for Papers Opens November 29, 2023



Hundreds of Attendees from  
20+ Countries  
Dozens of Exhibiting Companies

20+ Multi Day Tutorial Training  
60+ Technical Presentations, Learning  
Labs, and Panel Discussions  
Networking, Social Events, and  
Committee Meetings

# Become a Member Today!



<https://ncsli.org/page/joinnow>



## NCSL International Membership Join Now!

You know the value of membership: You provide it to your own professional and metrology community. NCSL International members have full access to a vibrant community, exceptional access to learning, networking and essential tools that empower and inspire. Come join your peers in pursuing excellence in measurement science and become part of the NCSL International community.

[JOIN NOW](#)  
[PDF APPLICATION](#)

### NCSLI BUSINESS GROUP MEMBERSHIP

\$560 - renewing 1 Year Membership - \$700 New Member (includes new membership plaque)

This level offers the full spectrum of benefits for being a member with NCSL International. This membership is designed for a single company location. The Business Group Membership is site specific (laboratory location) may include up to 20 people from that location on their NCSLI membership roster. It makes available all association services, access to NCSLI technical publications and events, such as Recommended Practices (RPs), Laboratory Managers Guides (LMs), Recommended and Intrinsic Practices (RISPs), Handbooks for Z540 and ISO/IEC 17025 Standards, Member pricing for the NCSLI annual Workshop & Symposium and Technical Exchange, training events, committees, region and section meetings and more. At this level of membership, the company selects an appointing officer and a member delegate who will represent the group when voting and interacting on association matters. Connect your organization with metrology and measurement science professionals who share one thing in common - we all rely on accurate and precise measurement science at the core of our business.

### INDIVIDUAL PROFESSIONAL MEMBERSHIP

\$220 - 1 Year Membership

Regardless of position or tenure, individuals in the metrology profession join NCSL International to boost their job performance and contribute at a high level to their organization's success. As an NCSL International member, you will: Get immediate access to tools and resources that will help you do your job better and build your reputation as a skilled professional. Advance your career by taking advantage of a wide range of professional development and networking opportunities. The Individual Professional membership is for measurement science professionals who want to stay up-to-date in the world of measurement. Individual Professional members will receive the member access on all NCSL International RPs, LMs, RISPs, and Handbooks. And the Individual Professional will have will have access to the current year issues of *NCSLI Measure: The Journal of Measurement Science and Metrologist Worldwide News*.





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**Thank You**