



NCSL INTERNATIONAL
Serving the World of Measurement



Growing Measurement Awareness Growing NCSL International

Lonnie Spires

NCSLI – President

Trescal Inc. – President

NCSL International

NCSL International (NCSLI) is a nonprofit corporation comprised of people and organizations involved in Metrology, calibration and testing.








Industry Association for Measurement Science

Serving the World of Measurement




Executive Committee

| | | | | | | | |
|--|---|--|--|--|--|--|---|
|  | IMMEDIATE PAST PRESIDENT Georgla L. Harris NIST |  | SECRETARY Dana S. Leaman NVLAP |  | TREASURER Richard Ogg Agilent Technologies |  | OPERATIONS Roger N. Burton Sandia National Laboratories |
|--|---|--|--|--|--|--|---|


Operations Vice Presidents

| | | | | | | | |
|---|--|---|--|---|---|---|--|
|  | MARKETING Jim Kaylor Agilent Technologies |  | MEASUREMENT REQUIREMENTS AND ANALYSIS Robert E. Fritzsche Naval Surface Warfare Center |  | LABORATORY OPERATIONS James E. Smith Boeing Company |  | INDUSTRIAL PROGRAMS Robert J. Sawyer Crescent Energy Laboratory Services |
|  | LEARNING AND DEVELOPMENT Vernon Ait Northrop Grumman Corp. |  | STANDARDS AND PRACTICES Tim Osborne Trescal |  | CONFERENCE Karen Hartz Semer AFMETCAL | | |

Division Vice Presidents

| | | | | | | | |
|---|---|---|--|---|---|---|---|
|  | NORTHEASTERN US DIVISION Marcus McNeely Blue Mountain Quality Resources |  | SOUTHEASTERN US DIVISION Mark Lapinskes Tektronix Service Solutions |  | CENTRAL US DIVISION Paul Packebush National Instruments |  | WESTERN US DIVISION Jack Semppl Fluke Calibration |
|  | CANADIAN DIVISION Ingrid Ulrich Ulrich Metrology Inc. |  | INTERNATIONAL DIVISION Dr. Alan Steele National Research Council of Canada | | | | |

National Metrology Institute (NMI) Representatives

| | | | | | | | |
|--|----------------------------------|--|-----------------------------------|--|---|--|----------------------------------|
|  | Dr. James Olthoff NIST |  | Georgette Macdonald NRC |  | Dr. José Salvador Echeverría-Villagomez CENAM |  | Dr. Yukinobu Miki NMIJ |
|--|----------------------------------|--|-----------------------------------|--|---|--|----------------------------------|

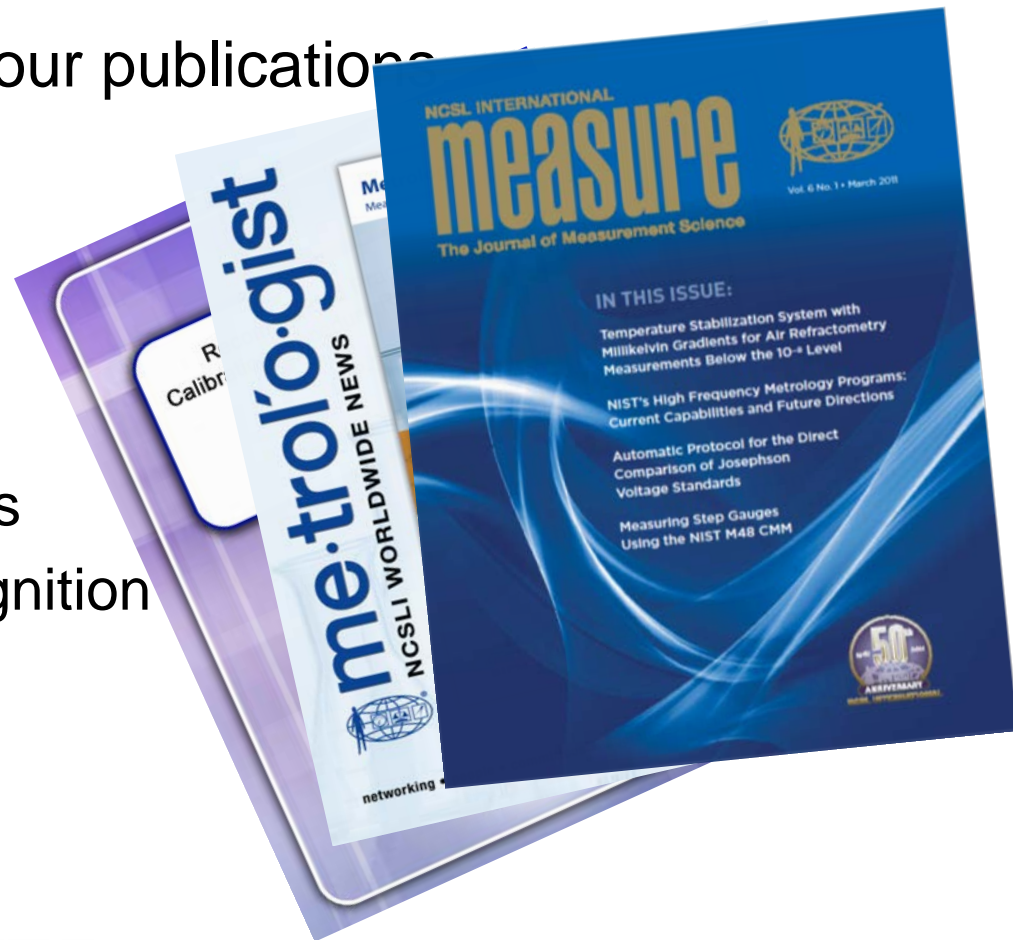
BIPM & Regional Metrology Organization (RMO) Representatives

| | | | | | | | |
|---|----------------------------|---|--------------------------------------|---|-------------------------------------|---|---|
|  | Andy Henson BIPM |  | Dianne Lalla-Rodrigues SIM |  | Dr. Kamal Hossain EURAMET |  | Dr. Pavel Neyerzhmakov COOMET |
|---|----------------------------|---|--------------------------------------|---|-------------------------------------|---|---|

Growing Measurement Awareness Publications

Must maintain and grow our publications

- RISP, LM, & RP's
 - New Goal is 2
 - Revised Goal is 3
- MEASURE Journal
 - Grow Qualified papers
 - Web of Science recognition
- Metrologist Newsletter
 - Timely content



Now Available On-line

Measure

Journal of Measurement Science



me.trol'o.gist

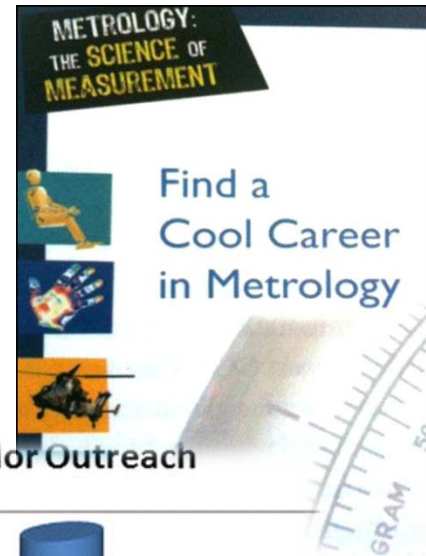
NCSLI Worldwide News



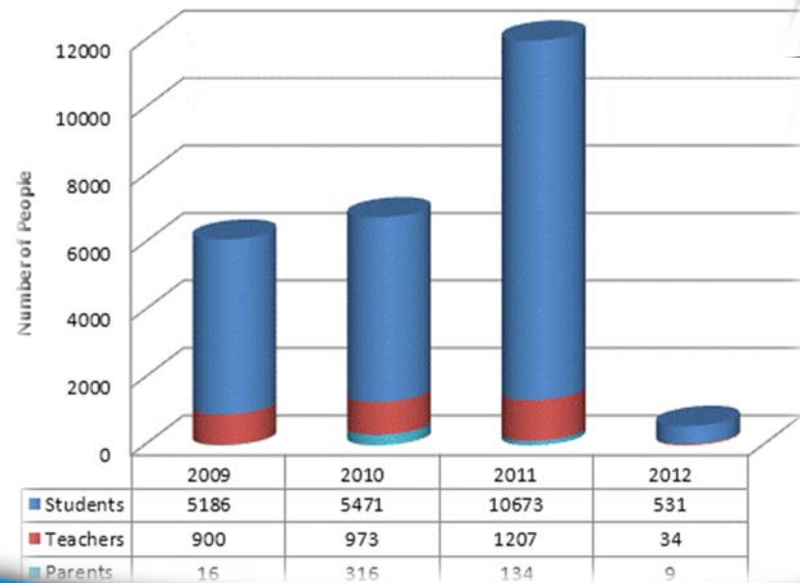
Growing Measurement Awareness Outreach Programs

Importance of Metrology in Industry

- Metrology Careers
 - Academia
 - Industry
- Ambassadors / Liaisons
 - Champions
- Industry & Government
 - White Papers



Metrology Ambassador Outreach



Growing NCSL International – International Presence

We must further define our International Strategy.

- Collaboration Initiatives
 - Non-threatening
- Participation
 - Committee
 - Conference
- Memorandum of Understanding
 - Annual Review
 - Purpose
 - Mutually Beneficial

International Leadership

- VP International – Dr. Alan Steele (NRC)
- Representatives to the Board
 - BIPM
 - NMI: NRC, NIST, CENAM, NMIJ
 - RMO: SIM, EURAMET, COOMET
- Liaisons
 - OIML, CFM, GMA, Eurolab, APMP
- Regions – with Section Coordinators
 - Regional Deputies: Canada, Latin/South America, European, Middle East, Asia-Pacific, Africa, Central Asia

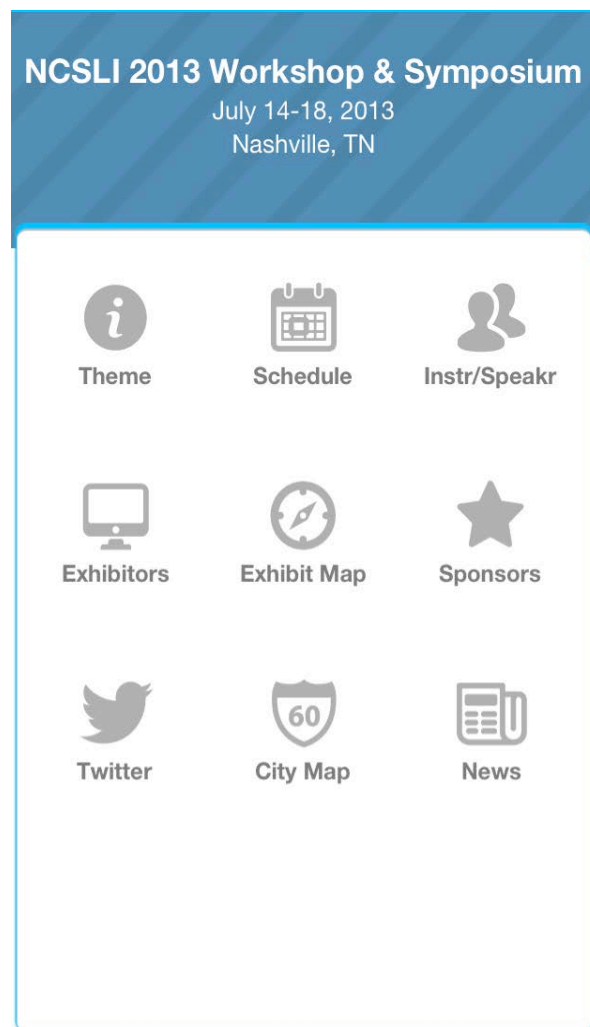
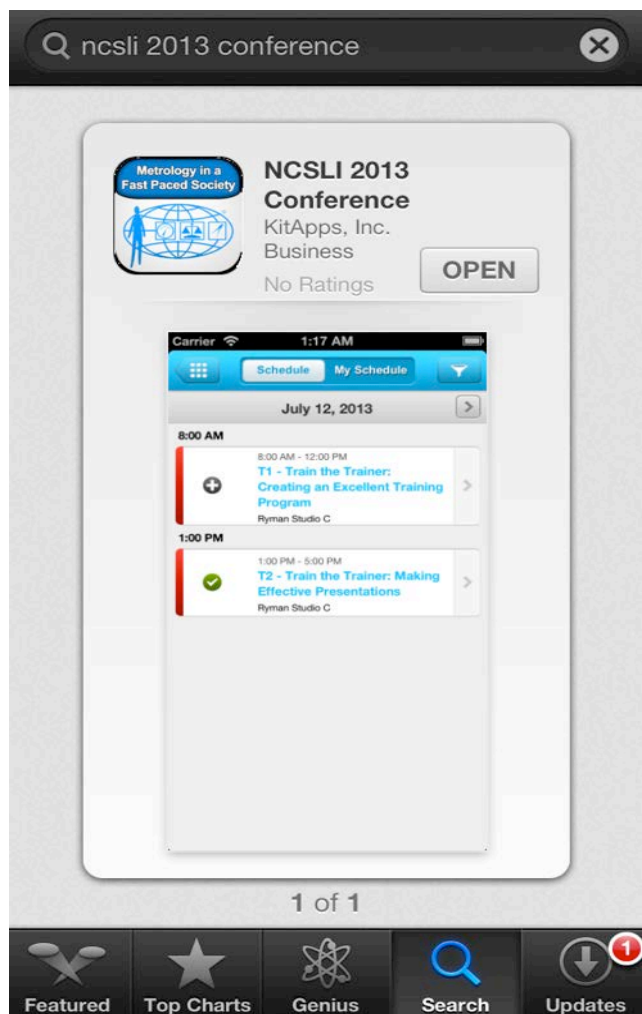
2013 Annual Workshop and Symposium ***“Metrology in a Fast Paced Society”***

- Where: Nashville, TN (Gaylord Opryland)
- When: July 14-18, 2013

Register online at
www.ncsli.org or
check out our new
Conference App.



New NCSLI Conference SmartPhone App



2013 Technical Program

- Plenary session on Tuesday, providing an update on the redefinition of the kilogram (and other base units), and what this will mean for calibration laboratories and their customers.
- Panel sessions on Traceability, Selection of Calibration Points, the Future of Calibration Services, an Educators Forum, and Vibration Traceability.
- New this year: Ask the Experts – as part of a session on Mass metrology. Your chance to pose questions to Mass Experts.
- More technician level sessions than ever, covering Dimensional, Electrical, Mass, Force, Pressure and more.
- More Healthcare Metrology – the Healthcare Metrology session has been so popular that we've added a second session.

Don't worry. We'll still have plenty of sessions on Laboratory Management, Automation, Proficiency Testing, Uncertainty, Risk Mitigation and Workplace Development. This year, there truly is something for everyone. See for yourself!

130 Measurement Services & Analysis

| Position | Full Name | Organization | Work Phone |
|--|-------------------|--------------------------------------|----------------|
| 132 - Measurement Comparison Programs | Mike Cadenhead | Bionetics Corporation, The | (740) 788-5412 |
| 132.1 - ARFTG Microwave Round Robins | Ron Ginley | NIST | (303) 497-3634 |
| 132.4 - North American 100 Ampere (DC) ILC | Jay Klevens | Ohm-Labs, Inc. | (412) 431-0640 |
| 134 - Intrinsic & Derived Standards | William B. Miller | Lockheed Martin Technical Operations | 303-977-5996 |
| 134.2 - Two Pressure, Two Temperature Humidity Generator | Bob Hardy | RH Systems, LLC | (505) 856-5766 |
| 134.3 - Triple Point of Argon | Stanley L. Pond | Pond Engineering Laboratories, Inc. | (303) 651-1678 |

140 Laboratory Operations

| Position | Full Name | Organization | Work Phone |
|--|-------------------|---------------------------------|----------------|
| 141 - Automatic Test & Calibration Systems | Karl Haynes | Electro Rent Corporation | (770) 310-5228 |
| 142 - Laboratory Facilities | Douglas J. Cooper | Precision Environments, Inc. | (513) 847-1510 |
| 143 - Calibration Procedures | Tom P. Flynn | The Boeing Company | (206) 544-5466 |
| 144 - Test Equipment Asset Management (TEAM) | James E. Smith, | Boeing Company | (714) 585-1652 |
| 144.1 - Equipment Specifications | Suzanne Castrup | Integrated Sciences Group | (661) 872-1683 |
| 144.3 - TEAM Operations Management Working | Jorge A. Carlo | Boeing Company | (480) 287-0838 |
| 144.4 - TEAM Process Standardization Working Group | Thomas Wiandt | Fluke Calibration | (801) 847-1145 |
| 144.5 - TEAM Steering Committee | James E. Smith, | Boeing Company | (714) 585-1652 |
| 145 - Testing Laboratories | Marlene Moore | Advanced Systems, Inc. | (302) 368-1211 |
| 146 - Accreditation Resources Committee | Ryan Fischer | Laboratory Accreditation Bureau | 260-637-2705 |

150 Industrial Programs

| Position | Full Name | Organization | Work Phone |
|----------------------------|-------------------|--|----------------|
| 151 - Healthcare Metrology | Walter Nowocin | Medtronic, Inc. | (763) 526-0133 |
| 153 - Utilities | Cory Peters | Exelon Powerlabs | (610) 380-2402 |
| 154 - Airline Metrology | Randy Jones, PE | American Airlines, Inc. | (918) 292-2166 |
| 155 - Automotive Metrology | Daniel T. DeLisle | General Motors Instrument Knowledge Center | (248) 343-7620 |
| 156 - Legal Metrology | Steven Harrington | Minnesota Department of Commerce | 651-215-1777 |

160 Learning & Development

| Position | Full Name | Organization | Work Phone |
|---|------------------------|--|------------------------|
| 161 - Training Resources | Matthew W. Denslow | Bionetics Corporation, The | 740-788-7129 |
| 162 - Financial Resources | Beverly Garcia | JM Test Systems, Inc. | 800-353-3411 |
| 163 - Workplace & Professional Development | Gloria Neely | Naval Surface Warfare Center | (951) 273-5469 |
| 163 - Workplace & Professional Development | Caroline Dixon | Naval Surface Warfare Center | (951) 314-4610 |
| 164 - Education Liaison & Outreach | Elizabeth J. Gentry | National Institute of Standards and Technology | (301) 975-3690 |
| 164.1 Metrology Education & Training Outreach | Steven Stahley | Cummins, Inc. | 812-377-2094 |
| 165 - Joe Simmons Memorial Scholarship | Mike Suraci | Suraci Consulting Services | (206) 842-7321 |
| 166 - Anthony Ulrich Metrology Scholarship | Ingrid Ulrich, CA, MBA | Ulrich Metrologie, Inc. | (514) 631-6653 x225 |

170 Standards & Practices

| Position | Full Name | Organization | Work Phone |
|---|---------------------|--|----------------|
| 171 - Calibration Systems Resources | James Wachter | Millennium Engineering & Integration Co. | (321) 867-7392 |
| 172 - Glossary (Metrology Dictionary) | Emil Hazarian | Naval Surface Warfare Center | (951) 273-4902 |
| 173.1 - Calibration Intervals | Mark Kuster | Pantex Metrology | (806) 477-4306 |
| 173.3 - Statistical Process Control Methods | Howard T. Castrup | Integrated Sciences Group | (661) 872-1683 |
| 173.4 - Measurement Decision Support | Howard T. Castrup | Integrated Sciences Group | (661) 872-1683 |
| 173.5 - Measurement Uncertainty Analysis | Suzanne Castrup | Integrated Sciences Group | (661) 872-1683 |
| 174 - Standards Writing Group (ANS Z540) | Stephen Doty | Naval Surface Warfare Center | (951) 273-4701 |
| 174 - Standards Writing Group (ANS Z540) | Bob Stern | Agilent Technologies | |
| 175 - Dimensional Metrology | Hy D. Tran, PhD, PE | Sandia National Laboratories | (505) 844-5417 |
| 175 - Dimensional Metrology | Jim Salsbury | Mitutoyo America Corporation | (630) 723-3619 |

Reasons for NCSLI Involvement

- Network / Interface with other experts in the field
- Have a VOICE with Key Stakeholders
- Friendships / relationships developed over the years
- Keep current with latest Metrology issues
- Learn new things
- Visit other labs / learn best practices
- Have a voice in standards development
- Share expertise / best practices
- Professional development / leadership
- Chance to give back to our profession
- Wide variety of venues

Thank You EURAMET

for including NCSLI in your
2013 General Assembly and Annual Meetings