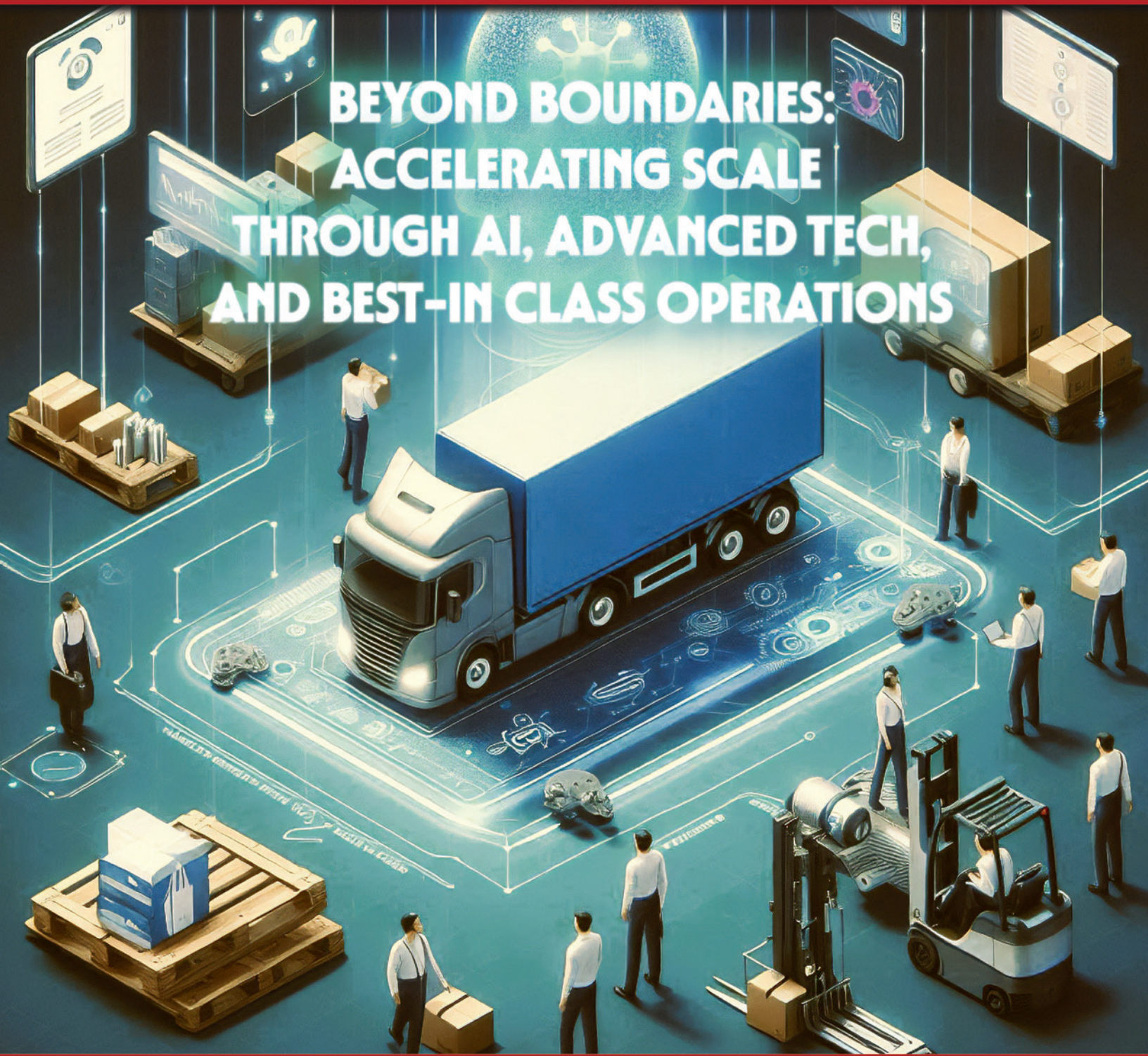


WINTER 2025

ISWM NEWS

International Society of Weighing & Measurement



**BEYOND BOUNDARIES:
ACCELERATING SCALE
THROUGH AI, ADVANCED TECH,
AND BEST-IN CLASS OPERATIONS**



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International Society of Weighing & Measurement (or ISWM)

P.O. Box 296 • Danville, IL 61834 • United States

Ann Crowley

Executive Director

Work: 715-651-9123

Email: Ann@iswm.org



COMING EVENTS

Please visit ISWM.org (Home page for more details).

Please visit ISWM.org (home page for more details)

March 10-12, 2026

2026 Annual Conference

Doubletree by Hilton Hotel Sacramento
2001 Point West Way
Sacramento, CA 95815

March 9-11, 2027

2027 Annual Conference

Embassy Suites – Little Rock
11301 Financial Center Parkway
Little Rock, AK

Magazine Submittal Deadlines:

○ **Spring: Editorial**
April 1, 2026

Ads:
April 1, 2026

○ The circle denotes the next available issue open for submissions.

2026 Advertising Contract is now on the website.
https://iswm.memberclicks.net/advertising_contract

NEW THIS YEAR: Classified Ads!
<https://iswm.memberclicks.net/classified>

For more information please contact:
staff@iswm.org

Change of Address Notification

Effective Immediately

We are pleased to inform you of our updated mailing address. Please make a note of the new address for all future correspondence:

ISWM

P.O. Box 296

Danville, IL 61834

This change ensures that we can continue to serve you efficiently and maintain the highest standards of communication.

Thank you for updating your records accordingly.

ISWM 2026 Board of Directors

Executive Director

Ann Crowley

Administrative Assistant/Controller

Jennifer Fox

Executive Committee

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Tammy Schmidt
Coast to Coast
Calibrations, Inc.

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Lloyd Holleman
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Alison Weiss Greater New York
Carlos Lares Ponce International
Jim O'Brien New England
Steve Dishon Potomac
Todd Fowler South Atlantic
John Hallak Western

International Society of Weighing & Measurement

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Mail goes to P.O. Box 296 • Danville, IL. 61834 • United States.
To contact Ann Crowley, call 715-651-9123 or email Ann@iswm.org.



PRESIDENT'S LETTER

By Tammy Schmitz

ISWM President 2025

October 1st, 2025

Dear ISWM Members,

Hello everyone. Fall is in the air, leaves are falling, brisk mornings and warm afternoons perfect for Fall weather.

The 2026 annual Conference in Sacramento California March 10-12 planning is on its way. We have some exciting speakers that will be joining us. This year's theme will be:

Beyond Boundaries: Accelerating Scale Through AI, Advanced Tech, and
Best-in-Class Operations

So come and join the ISWM conference for updates in the Weighing and Measurement Industry. If you would like to become a Sponsor for the 2026 Conference, please contact Ann Crowley at ann@iswm.org there are still spots left open.

Look for information in this addition of the Magazine and in future months. If you have any suggestions or would like to join a committee for the 2026 Conference, contact staff@iswm.org.

Everyone have a safe holiday season and I hope to see everyone in Sacramento, California on March 10-12 2026 for the Conference. I know it will be a great time.

Thanks for the honor of being your President of the ISWM!

Tammy Schmitz | Coast to Coast Calibrations Inc
ISWM President 2025



NEW MEMBERS

Anthony Manning
G.T. Michelli Co, LLC
1163 Weems St.
Pearl, MS 39047
South Atlantic Division Member

Mark Bird
Scales Sales & Service
8615 Vernon Ave
Omaha, NE 68134
Central Northwest Division Member

Kyle Vealey
Mark Van Horck
Steven Pribnow
Superior Processing & Weighing Inc
2130 Park 82 Dr
Fort Myers, FL 33905
Chosen_Division

New_Member_Name
Company_Name
Street_Address
CityTown_State_Zip
Chosen_Division

New_Member_Name
Company_Name
Street_Address
CityTown_State_Zip
Chosen_Division

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CityTown_State_Zip
Chosen_Division

New_Member_Name
Company_Name
Street_Address
CityTown_State_Zip
Chosen_Division

New_Member_Name
Company_Name
Street_Address
CityTown_State_Zip
Chosen_Division

NOTE:

*We have plenty of room for new members!
And you know who they should be -
so please encourage them to join today!*

*Point them to our website:
www.ISWM.org or have them contact
Ann Crowley at: Ann@iswm.org*

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We are looking for a Sales Engineer!



Rinstrum is a leading supplier of innovative weighing systems for various industries globally. We offer customized solutions that guarantee the highest precision and reliability. To strengthen our team in the USA, we are looking for a dedicated Sales Engineer with profound knowledge in the weighing industry and/or in a technical field.

Duties and responsibilities:

- Supporting existing customer relationships and expanding the customer portfolio
- Acquisition of new customers through targeted sales activities
- Preparing offers and conducting price negotiations
- Planning and implementation of customer projects, including close cooperation with various departments
- Carrying out market and competitive analyses to identify business opportunities
- Supporting the further development of our production software
- Technical support and training for customers
- Ideally would have experience with NTEP guidelines and how it applies

Requirements:

- Experience in the technical field, with knowledge of weighing industry a plus
- Enjoy selling complex solutions
- Enjoy troubleshooting equipment for customers
- Strong intuition for the market and customer industries
- Business fluent in written and spoken English (Spanish would be a plus)
- Strong communication skills and customer orientation
- Independent and structured way of working
- Willingness to travel occasionally

We offer:

- Challenging and varied work in an innovative company
- Attractive remuneration package with performance-related bonuses
- Opportunities for professional development and further training
- Pleasant working environment in a motivated team
- Work location: **Remote**, with Office being in Noble, IL

If you are looking for an exciting professional challenge and would like to help Rinstrum shape the future of weighing technology, we look forward to receiving your application. Please send your complete documents including resume, certificates and salary expectations to jobs.US@rinstrum.com

Note: All genders are equally welcome. We value diversity and welcome all applications.



ISWM 2026 ANNUAL CONFERENCE

March 10-12, 2026



INTERNATIONAL SOCIETY OF WEIGHING & MEASUREMENT



Beyond Boundaries: Accelerating Scale through AI, Advanced Tech and Best-In Class Operations

**COME JOIN THE ISWM FOR UPDATES ON THE
WEIGHING AND MEASUREMENT INDUSTRY**

Please join us to share ideas and hear the latest in the industry. The speakers are ready. Our industry is ready to continue evolving as technology and products change. Sacramento is a city ready for visiting, tasting, and savoring. Features include farm-fresh restaurants, farmers markets, home-grown breweries, street murals, Gold Rush-era attractions or simply a walk along the river. Join us March 10 through March 12, 2026, at **DOUBLETREE BY HILTON HOTEL** Sacramento, California.



HOTEL INFORMATION: Room rates at DOUBLETREE BY HILTON HOTEL SACRAMENTO, 2001 Point West Way, Sacramento, CA 95815, are \$159 per night Sunday through Thursday plus taxes and fees. Parking is \$12.00 per day.

The cut-off date for room reservations at the group rate at Doubletree is February 15, 2026. To make reservations guests may call: **800.HILTONS**, group code **ISWM** or use booking link (CTRL enter): **HiltonISWM_HyperLink** Please use the reservation code to obtain the discount and have your reservation count toward the ISWM's commitment for room reservations. All ISWM Annual Convention guests will receive basic Wi-Fi in guest rooms and meeting space.

- **TRAVEL INFORMATION:** Sacramento International Airport is the nearest airport at 12 miles; Metropolitan Oakland International is 82 miles and San Francisco International Airport is 99 miles. The hotel does NOT have an airport shuttle.
- **VISA INFORMATION:** Check with your local U.S. Embassy or Consulate regarding current Visa requirements. If you need a letter of invitation, please email Ann Crowley at ann@iswm.org.

SPONSORSHIPS:

Platinum: \$2,000	Gold: \$1,500	Silver: \$1,000
<ul style="list-style-type: none">• Recognized sponsor of the Conference and Expo's Icebreaker Opening Reception. Sponsorship acknowledgment and appropriate signage at the Opening Reception of ISWM's Conference and Expo.• Prominence on all sponsorship listing/signage.	<ul style="list-style-type: none">• Recognized sponsor of the ISWM Conference and Expo.• Prominence on all sponsorship listings/signage.	<ul style="list-style-type: none">• Recognized sponsor of the ISWM Conference and Expo.• Listing on all sponsorship rosters/signage.
Coffee Break - \$1,000 sponsorship for one day.	Wednesday Social Event Sponsor - \$1,200 sponsor.	
Two sponsorships available. Who would not love the company that brought them a hot cup of coffee to combat the morning slump! Make your company the hero of the ISWM Conference as a Coffee Break sponsor at the Education sessions. You will be identified as the Coffee Break sponsor with signage bearing your company name and logo.	You will be identified as the Wednesday Social Event sponsor with signage bearing your company name and logo. Also, your company will be acknowledged at the ISWM Conference and Expo.	

- **EXHIBIT INFORMATION:** The exhibit set up will begin on March 10 at 10 am. All Exhibits need to be removed by 7:00 pm on Thursday, March 12. All equipment shipped should be marked with the name and date of the Conference. All equipment crates or material needs to be on wheels. The hotel cannot move the crates as there is no pallet jack on the property. There is no storage space for crates on the site. Equipment should arrive no sooner than 2 days before the conference (Sunday 3/8/2026). All boxes must be removed by the day after the conference.

- **ALL SHIPMENTS ARE TO BE DELIVERED TO:**
DOUBLETREE BY HILTON HOTEL SACRAMENTO
International Society of Weighing & Measurement Conference
2001 Point West Way
Sacramento, CA 95815

The exhibit tables are one six-foot table with cloth skirting, two chairs, and a wastebasket. There will be 16 8'x10' spaces available.

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MIRACLESERVICE
Weights and Measures Edition



ISWM 2026 ANNUAL CONFERENCE

March 10-12, 2026



INTERNATIONAL SOCIETY OF WEIGHING & MEASUREMENT



Conference & Expo Attendee Registration Form

Location of 2026 ISWM Annual Convention:
DOUBLETREE BY HILTON HOTEL SACRAMENTO
2001 Point West Way
Sacramento, CA 95815
Phone: 916.924.4912

CONFERENCE REGISTRANT (PLEASE PRINT - ONLY ONE REGISTRANT PER FORM)

Name: _____ Nickname (to appear on badge): _____

Firm: _____

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Telephone: _____ Email: _____

EMPLOYEE CLASSIFICATION:

Please check the category that best describes your business:

- ☐ W&M Industry Manufacturer ☐ Retired ☐ Regulatory Official
☐ W&M Industry Dealer/Distributor ☐ Consumer ☐ Importer/Exporter

REGISTRATION PACKAGES

- ☐ Full Conference: Registration Includes admission to the Icebreaker Reception, Educational Program, Expo, Wednesday Social Event, and lunch on Wednesday and Thursday. \$350.00
☐ One-Day Registration Includes admission to Icebreaker Reception on Tuesday evening, the Opening General Session, One-Day Expo, and lunch on Wednesday or Thursday. \$200.00
☐ Wednesday or Thursday
☐ Tuesday-Special Mark Ruefenacht training - Myths of Balances & Scales \$99.00

REGISTRATION FEES (PLEASE CIRCLE CHOICE):

NOTE: 10% discount if register by January 30, 2026

Fee Type	Member	Non-Member
Full Conference Registration.	\$350	\$400
Myths of Balances & Scales Training	\$99	\$99
One Day Registration: (Wednesday or Thursday) ...	\$200	\$250

Payment: TOTAL AMOUNT DUE \$ _____

Check enclosed:

(payable to ISWM,
US funds only)

Check No: _____

Credit Card: ☐ VISA ☐ Master Card ☐ American Express

Account No: _____ Exp Date: _____ CCV _____

Name on Card: _____

Signature: _____

I authorized ISWM to charge my credit card for the amount indicated above.

Accommodations: Room rates **DOUBLETREE BY HILTON HOTEL SACRAMENTO**, 2001 Point West Way, Sacramento, CA 95815, are \$159 per night Sunday through Thursday plus taxes and fees. Parking is \$12.00 per day. The cut-off date for room reservations at the group rate at Doubletree is February 15, 2026. To make reservations guests can call: **800-HILTONS** and use code ISM or use booking link (CTRL click): **HiltonISWM_HyperLink** Please use the reservation code to obtain the discount and your reservation counts toward the **ISWM's** commitment for room reservations. All ISWM Annual Convention guests will receive basic Wi-Fi in guest rooms and meeting space

Special Services: The International Society of Weighing & Measurement supports the Americans with Disabilities Act, which promotes public accessibility for people with disabilities. If you require special equipment or services, please attach a written description of your needs. We will contact you in advance to ensure your needs are met.

GOT QUESTIONS?

Contact Ann Crowley for answers:
Phone: 715-651-9123 • Email: ann@iswm.org



More Products in Stock and Ready to Ship

With the expansion of our warehouse space, we can now stock more of the products you need. If you need to place an order or check stock counts, contact one of our helpful team members today.

ISWM 2026 ANNUAL CONFERENCE

March 10-12, 2026



INTERNATIONAL SOCIETY OF WEIGHING & MEASUREMENT



Exhibit/Sponsorship Application and Contract

Location of 2026 ISWM Annual Convention:
DOUBLETREE BY HILTON HOTEL SACRAMENTO
2001 Point West Way
Sacramento, CA 95815

EXHIBITOR:

Company Name: _____

Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Telephone: _____ Email: _____

Other Registrant or Attendees: (one with 10' x 10')

Name registering: _____

Extra Registration (use extra forms) - \$350 each.

FEES:

The exhibit space will be rented according to the following fee structure (check one): **10% discount if register by January 30, 2026.**

Size	Description	Members	Non-Members
8' x 10'	Includes one (1) full Conference and Exposition registration	\$1,800	\$2,500
16' x 10'	Includes two (2) full Conference and Exposition registrations	\$3,000	\$3,500

TOTAL FEE \$ _____

SELECTION:

Select space as shown on the Expo Floor Plan (Contact Ann at ann@iswm.org for available space).

List only one number per choice. 1st choice _____ 2nd choice _____

PROMOTIONS:

Describe in 50 words or less (exactly as you want it to appear in the official promotions) the products, or the services you will be exhibiting. Attach a description to this application or email Ann Crowley at ann@iswm.org.

SPONSORSHIP: Please indicate your sponsorship level:

Premier Sponsor:	____Platinum - \$2,000	____Gold - \$1,500	____Silver - \$1,000
Coffee Break Sponsor:	____One Day - \$1,000 (2 available)		
Wednesday Social Event Sponsor:	____\$1,200		

Sponsorship Total: \$ _____

DOOR PRIZE:

Will you donate a door prize for the ISWM All Expo Card drawings? ____ Yes ____ No

PAYMENT:

Booth Fees Total: _____

Sponsorship Total: _____

Extra Attendees: _____ \$ _____

TOTAL AMOUNT DUE \$ _____

Check enclosed:

— OR —

Credit Card: ☐ VISA ☐ Master Card ☐ American Express

(payable to ISWM,
US funds only)

Account No: _____ Exp Date: _____ CCV _____

Check No: _____

Name on Card: _____

Signature: _____

I authorized ISWM to charge my credit card for the amount indicated above.



INTERNATIONAL SOCIETY OF WEIGHING & MEASUREMENT

ISWM 2026 ANNUAL CONFERENCE

March 10-12, 2026

AUTHORIZATION:

I am an authorized representative of the company with full power and authority to sign and deliver this application. The company listed on this application agrees to comply with all policies, rules, and regulations contained in the Exhibitor Prospectus and all policies, rules, and regulations adopted after publication of the prospects, which we accept as part of the agreement.

Company: _____

Authorized Name: _____ Title: _____

Signature: _____ Date: _____

ACCOMMODATION:

Room rates at **DOUBLETREE BY HILTON HOTEL SACRAMENTO**, 2001 Point West Way, Sacramento, CA 95815, are \$159 per night Sunday through Thursday plus taxes and fees. Parking is \$12.00 per day. The cut-off date for room reservations at the group rate at Doubletree is February 15, 2026. To make reservations guests can call: 800-HILTONS and use group code ISM or use booking link (ctrl enter): **HiltonISWM_MotelLink**

Please use the reservation code to obtain the discount and your reservation counts toward the ISWM's commitment for room reservations. All ISWM Annual Convention guests will receive basic Wi-Fi in guest rooms and meeting space.

CANCELLATION POLICY:

A written cancellation notice is required and must be received in writing by February 15, 2026. A 25% service fee will be retained on all cancellations. No refunds will be given after February 15, 2026.

SPECIAL SERVICES:

The International Society of Weighing & Measurement supports the Americans with Disabilities Act, which promotes public accessibility for disabled people. If you require special equipment or services, please attach a written description of your needs. We will contact you in advance to ensure your needs are met.

GOT QUESTIONS?

Contact Ann Crowley for answers:
Phone: 715-651-9123 • Email: ann@iswm.org

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Exploring Sacramento, CA: Top Things to Do

Sacramento, the capital city of California, is a vibrant destination with a rich history, diverse culture, and a plethora of activities to enjoy. Whether you're a history buff, an art enthusiast, or just looking for some fun, Sacramento has something for everyone. Here are some top things to do in this charming city:



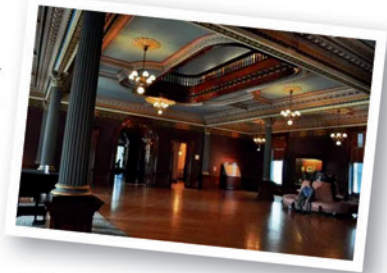
CALIFORNIA STATE RAILROAD MUSEUM

The California State Railroad Museum is a must-visit for anyone interested in the history of railroads. Located at 125 I St, this museum showcases restored railroad cars and locomotives, offering a glimpse into how the railroad shaped California's economy and development. The museum is open daily from 10:00 AM to 5:00 PM.

CROCKER ART MUSEUM

Art lovers will appreciate the Crocker Art Museum, which houses an extensive collection of international ceramics, as well as works from Asia, Africa, and Europe. The museum, located at 216 O St, is the longest continuously

operating art museum in the western United States. It is open from Wednesday to Sunday, with extended hours on Thursday.



OLD SACRAMENTO STATE HISTORIC PARK

Step back in time at the Old Sacramento State Historic Park, which covers the entire area of the 1850s business district. This National Historic Landmark features historic buildings from the Gold Rush era, including the Eagle Theater. The park offers a unique glimpse into Sacramento's past and is a popular spot for both locals and tourists.

SACRAMENTO ZOO

For a fun family outing, visit Sacramento Zoo. Home to over 500 animals, the zoo offers educational programs and interactive exhibits. It's a great place to learn about wildlife conservation and enjoy a day outdoors.

MIDTOWN SACRAMENTO

Midtown Sacramento is a lively neighborhood known for its eclectic mix of shops, restaurants, and art galleries. It's a great place to explore on foot, with plenty of opportunities to enjoy local cuisine and discover unique boutiques.

LELAND STANFORD MANSION STATE HISTORIC PARK

Visit the Leland Stanford Mansion State Historic Park to see the beautifully restored home of Leland Stanford, a former California governor and founder of Stanford University. The mansion offers guided tours that provide an insight into the life and times of one of California's most influential figures.

RAGING WATERS SACRAMENTO

If you're looking to cool off, head to Raging Waters Sacramento, a water park located just a mile from the city center. With a variety of water slides and attractions, it's a perfect spot for a fun-filled day with family and friends.

SUTTER'S FORT STATE HISTORIC PARK

Explore Sutter's Fort State Historic Park, a reconstructed 19th-century fort that played a significant role in California's early history. The park offers living history programs and exhibits that bring the past to life.

ARDEN FAIR SHOPPING MALL

For a shopping spree, visit the Arden Fair Shopping Mall, located just a mile from the city center. The mall features a wide range of stores, from high-end brands to popular retailers, making it a great place to shop and dine.



CALIFORNIA STATE CAPITOL MUSEUM

No visit to Sacramento is complete without a tour of the California State Capitol Museum. The Capitol building is not only the seat of California's government but also a museum that showcases the state's political history and architecture.

Sacramento offers a diverse array of activities and attractions that cater to all interests. From historic landmarks to modern amenities, this city has it all. So, pack your bags and get ready to explore the best of Sacramento!

Speakers

Excellent presentations are prepared for informational learning and challenging our industry to progress and grow for the future.

TUESDAY MORNING TRAINING MARCH 10 (EXTRA FEE)



MARK RUEFENACHT – TOP TEN BALANCE & SCALE MYTHS

Mark Ruefenacht shares his time as a NIST associate with the Office of Weights & Measures (OWM) and as the Director of Precision Products at Rice Lake Weighing Systems. He specializes in teaching and developing metrology courses and

standards that support State and industry laboratories across the United States and around the world. Drawing on his experience in precision measurement science, Mark creates practical, hands-on training that emphasizes both technical accuracy and real-world application. His work aims to help participants strengthen their processes, improve measurement confidence, and prepare the next generation of metrologists.

PRESENTATION: “THE TOP TEN BALANCE & SCALE CALIBRATION MYTHS—BUSTED”

Join me for a fast-paced, myth-busting session where we unpack the ten most persistent misconceptions about balance & scale calibration and replace them with practical skills you can apply the very next day. Expect an energetic mix of examples, quick demos, and interactive polling as we debunk each myth—one at a time. Come for the myths—leave with a valuable toolkit of information. Participants who complete this session (attend all three hours while engaging in the polls and discussions) will receive a “Myth Reality” Field Guide to share with their team. Bust myths with confidence!



DON ONWILER – NATIONAL COUNCIL OF WEIGHTS AND MEASURES

Executive Director at National Conference on Weights & Measures update. Don was previously the Nebraska Division of Weights and Measures Program Manager. He served seven years on the NCWM

Board of Directors and as chair in 2006. Don became the NCWM Executive Director in 2008.

PRESENTATION: Updates from the National Council of Weights & Measures including changes to Handbook 44.



MARK HILTON – NINJA CONCEPTS **MARK HILTON, FOUNDER**

BIO: “After 35 years in the tech industry, I was tired of struggling to remember meeting details and action items, yet constantly frustrated by tools that created more work than they solved.

I started Ninja Concepts because I believed there had to be a better way. Drawing on decades of experience seeing how technology can genuinely enhance everyday life, we set out to build simple, frictionless AI tools that solve real problems and give people back their most valuable resource: time.

For me, success means building solutions so useful they become second nature, tools our customers rely on every day. And if we can help people find better balance between work and life along the way, even better.”

TITLE: “FROM DATA TO DECISIONS: AI THAT WORKS WHEN PRECISION MATTERS MOST”

Brief Description:

This presentation demonstrates how AI is transforming large-scale manufacturing operations through practical, deployable solutions that enhance accuracy, reduce downtime, and improve operational efficiency. Using Ninja Concepts’ proven contextual AI technology, we’ll explore how intelligent virtual assistants and AI-powered systems are helping manufacturers:

- Provide instant access to technical specifications, compliance data, and quality standards across complex product catalogs
- Reduce operational bottlenecks by delivering 24/7 expert-level support to floor staff and quality control teams
- Capture and standardize critical decision-making processes in real-time production environments
- Bridge the gap between experienced operators and new personnel through intelligent knowledge transfer

Through real-world case studies—including 40% reduction in customer wait times and successful deployment at high-pressure events—attendees will learn how contextual AI integration fits into existing manufacturing workflows without disrupting operations. This session focuses on practical implementation strategies specifically relevant to weights, measures, and precision

manufacturing environments where accuracy and reliability are non-negotiable.



LUCIAN STACY – LEFT COAST SCALE:

Lucian Stacy is a highly accomplished Regional Manager with over 30 years of experience in the weighing and measurement industry. He is currently the Regional Manager for Left Coast Scales LLC, where he oversees the Phoenix and Imperial Valley offices. His career includes a notable tenure as General Manager for Left Coast Scales, where he was integral to rebuilding operations and growing annual revenue from \$250,000 to \$4,000,000.

A co-founder of the company, Lucian also wrote and developed Left Coast's training and professional development program. He holds a Bachelor of Science in Mechanical Engineering and is the Chair of the California Department of Food and Agriculture's Registered Service Agency Advisory Commission. He is a frequent presenter and moderator at the ISWM National Conference.

HAZARDOUS AREA CLASSIFICATION: A PRIMER ON THE NEC SYSTEM

Gain a clear understanding of the regulations and standards governing hazardous electrical installations in the United States with this essential presentation.

This primer provides a detailed look at the National Electrical Code (NEC) classification system for hazardous areas, covering the three ways locations are classified:

Type, Condition, and Nature¹.

YOU WILL LEARN ABOUT:

- The Regulatory Framework: Discover where U.S. regulations for explosion-proof and intrinsically safe equipment originate, focusing on the roles of OSHA, NFPA (NEC), ANSI, and the NRTL Program.
- NEC Hazardous Location Classes: Understand the three classes of hazards:
 - Class I: Flammable gases or vapors.
 - Class II: Combustible dusts.
 - Class III: Easily ignitable fibers or flyings.
- Condition of Hazard: Examine both the traditional Division System (Division 1 for normal operation, Division 2 for abnormal conditions) and the newer Zone System (Zone 0, 1, and 2).
- Equipment Design: Learn the critical differences between Intrinsically Safe equipment (limiting energy to prevent ignition) and Explosion Proof equipment (enclosures designed to contain an explosion).

UNDERSTANDING THE ROLE OF THE RSA ADVISORY COMMITTEE

This presentation offers an essential overview of the California Department of Food and Agriculture (CDFA), Division of Measurement Standards (DMS), Registered Service Agency (RSA) Advisory Committee.

The session will first establish the critical importance of the Weights and Measures system in California, detailing how the DMS oversees the accuracy and fairness of commercial devices like gas pumps and scales. We will then dive into the Registered Service Agency (RSA) Program, explaining what an RSA is, its licensing requirements, and its key function in expediting commerce across the state.

The core of the presentation focuses on the RSA Advisory Committee itself. Attendees will learn the Committee's official mandate—to formally advise the CDFA/DMS Secretary on all RSA Program matters—and its broad scope, which includes contributing vital industry input to the rulemaking process, reviewing enforcement policies, and addressing the technical challenges of new measuring technologies (like ZEV devices).

Finally, we will discuss the powerful impact of the Committee, highlighting why its input is crucial for licensed RSAs, Service Agents, and the regulatory bodies they work with. This is a must-attend session for industry members seeking to understand how to influence and engage with the governing structure of the California weights and measures service industry.



TROY BASNETT – TROY BASNETT IS OPERATION MANAGE AT PHILLIPS SCALES IN ALASKA.

He has over 34 years of diagnostics experience from military and civil aviation aircraft, heavy equipment and vehicles and for over twelve years on weighing devices.

Phillips Scales is a different operation than most scale companies due to logistics in operating in Alaska. The average vehicle mileage for smaller trucks is around 5000 and large capacity is under 3000 miles per year. Technicians fly to many jobs within and outside the state and deal with extreme weather conditions. Additionally, in the summer technicians can be found bouncing on and off fishing vessels for major fishing companies getting ready for various species. Troy brings many years of experience as a technician and operations manager to his understanding of the scale business.

PRESENTATION DESCRIPTION:

Follow the power. A primer on quickly diagnosing issues with weighing devices in the scale industry.

Methodical Diagnostics Training-When a technician is faced with a problem, how does he approach finding a solution. Understanding troubleshooting methodology in scales is crucial and will help resolve issues efficiently. This approach will save time and enhance critical thinking skills.



MATT MILLER, PRESIDENT AND CTO OF MOBILEDEMAND - REVOLUTIONIZING WAREHOUSE WORKFLOWS: MOBILE SCALING & REAL-TIME PRODUCT DATA WITH XSCALE S200

Bio: Matt Miller founded MobileDemand in 2003. In 2016, Miller founded 4D Mobile, a companion company offering software solutions for MobileDemand's line of rugged tablets focusing on computer vision and artificial intelligence geared toward improving logistics workflows. Miller is a technologist with a passion for bringing products to market, utilizing extensive sales and marketing experience and skills as well.

DESCRIPTION:

Discover how the xScale S200 Bluetooth mobile scale transforms warehouse operations by combining convenience, mobility, and error-free data capture. In this session, we'll explore how real-time weight and product item data collection at the point of handling eliminates manual entry mistakes, accelerates workflows, and improves accuracy across your operations. Learn how

seamless integration with mobile apps empowers your team to capture, verify, and utilize product information on the spot—redefining efficiency from receiving to shipping

KEY TAKEAWAYS

1. Mobile Scaling on the Spot – Weigh items directly on the warehouse floor for faster workflows.
2. Instant App Integration – Bluetooth® connects weight data to application instantly.
3. Error-Free Data Capture – Reduces manual entry mistakes and improves inventory accuracy.
4. Durable & Portable – Rugged design meets warehouse demands, easy to carry or wear.
5. All-in-One Product Capture – Combine weight, dimensions, barcodes, and photos in a single workflow.

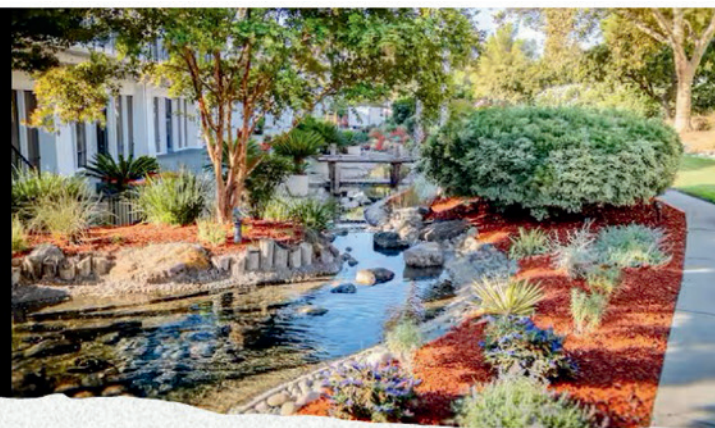
TWO ROUNDTABLE PRESENTATIONS:

Manufacturer's Roundtable and Dealer's Roundtable

Extremely popular presentation involving discussion of events affecting Dealers and/or Manufacturers. Key input from both groups and highlighting different viewpoints from around the country.

Dealer Survey Results -

Presentation of the results of our bi-annual survey. Survey results include average income for scale company employees, growth/loss in the business, business profitability any many other topics.



ISWM 2026 Conference Doubletree by Hilton, Sacramento, CA

March 10-12, 2026

Call for Nominations:

NOMINATIONS MAY BE SENT TO THE STAFF@ISWM.ORG PRIOR TO JANUARY 1, 2025.
DO YOU KNOW SOMEONE DESERVING OF RECOGNITION?

MARK PICKELL AWARD: Recognizing and honoring that member whose outstanding activities and efforts during the preceding year or years has contributed greatly to strengthening the effectiveness, benefits, and growth of his/her local Division of ISWM. In memory of Mark W. Pickell, who was associated with the weighing industry and NSMA from the early publication days of Scale Journal (now Weighing and Measurement Magazine). Mr. Pickell served as Secretary-Treasurer of NSMA for years.

PURPOSE - The Mark Pickell award was created to recognize and honor that member whose outstanding activities and efforts during the preceding year or years has contributed greatly to strengthen the effectiveness, benefits, and growth of his/her local Division of ISWM.

LADY OF THE YEAR AWARD: To encourage active participation in the Society on the part of wives of members and the women in the weighing industry, and to recognize their valuable contributions to the Society and the industry. Sponsored by a trust fund in care of ISWM set up in 1979 by Raymond C. and Charlotte M. Canfield, Pittsburgh, PA.

PURPOSE - To encourage active participation in the Society on the part of wives of members and the women in the weighing industry and to recognize their valuable contributions to the Society and the industry.

WOODY WOODLAND MEMORIAL AWARD: This award is intended to honor a person who, by his/her own efforts and services, has contributed in an outstanding manner to the scale and weighing industry. In Memory of J.E. "Woody" Woodland, who dedicated his entire life to the weighing industry and to the people in it, and who passed away in 1948 on the day he was elected President of National Scale Men's Association.



PURPOSE - The award is intended to honor a person who, by his/her own efforts and services, has contributed in an outstanding manner in the scale and weighing industry.

TO BE PRESENTED AT THE CONFERENCE: **OUTSTANDING NEW PRODUCT AWARD (KARDUX CUP)**

Recognizing a company, group, or individual for the most outstanding new technical achievement of the last year that positively impacts the weighing and measurement industry. Established in 1996, the Outstanding New Product Award (Kardux Cup), is sponsored and funded by the International Society of Weighing and Measurement. Named for Ken Kardux, of Kg Systems, Inc. whose inspiration was instrumental in the implementation of the award, and who generously contributed funds towards the purchase of the original perpetual trophy.




PURPOSE - To recognize a company, group or individual for the most outstanding new technical achievement in the last year that positively impacts the weighing and measurement industry.

MOST OUTSTANDING EXHIBIT AWARD

Recognizing a company that exhibits at the Society Conference for having the most outstanding exhibit.

PURPOSE - To recognize a company that exhibits at the Society Conference for having the Most Outstanding Exhibit.

ELIGIBILITY REQUIREMENTS - The recipient must be exhibiting at the current Society Conference. The exhibit will be judged on overall quality, product presentation, booth staffing, personal appearance, helpfulness to attendees, and assistance with technical and application questions.



Flexible Dimensioning Systems

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Rapp/Mantes Education Fund 2025 Scholarship

THE RAPP/MANTES EDUCATION FUND IS A TRUST THAT ANNUALLY PROVIDES SCHOLARSHIPS TO INDIVIDUALS CONNECTED TO THE SCALE INDUSTRY, INCLUDING THEIR CHILDREN AND GRANDCHILDREN. THE NUMBER AND VALUE OF SCHOLARSHIPS VARY EACH YEAR BASED ON APPLICANTS, APPLICATION QUALITY, AND TRUST INCOME.

Founded by Mack Rapp and Ted Mantes, prominent figures in the scale industry, the fund was initially aimed at supporting metrology education but now serves applicants pursuing various career paths after relevant programs were discontinued at Alfred Tech (NY) and Yuba College (CA). Scholarships are paid directly to recipients' universities. This year, the Scholarship Committee met via conference call and awarded nine scholarships.

Kathleen O'Brien Stockton University

Jaya Penland Appalachian State University

Kearsten Broach University of South Carolina

Joe Molina Ohio University

Ansley Fowler North Greenville University

Iris Mohesky Southwest Missouri State

Lily Hebenstreit Southwest Missouri State

Sklyer Janes University of Toledo

Jerry Robertson George Mason University



The committee encourages all individuals to continue their education and submit applications in future years. Applications for 2026/2027 will be available after January 1, 2026.

SEND REQUEST TO:

Rapp/Mantes Education Fund
C/O Ohio State Scale
3240 Leesville Way, Dublin, OH 43017

Robotics and Computer Technology: Shaping the Future of Education and Potential Source of Scale Technicians

The “Robotics and Computer Technology” program at Maplewood Career Center, Ravenna, Ohio is an innovative educational initiative designed to equip students with the skills and knowledge necessary to excel in the fields of electronics, computer technology, and robotics. This comprehensive program spans four separate courses, each meticulously crafted to provide a robust foundation in both theoretical and practical aspects of these dynamic fields.

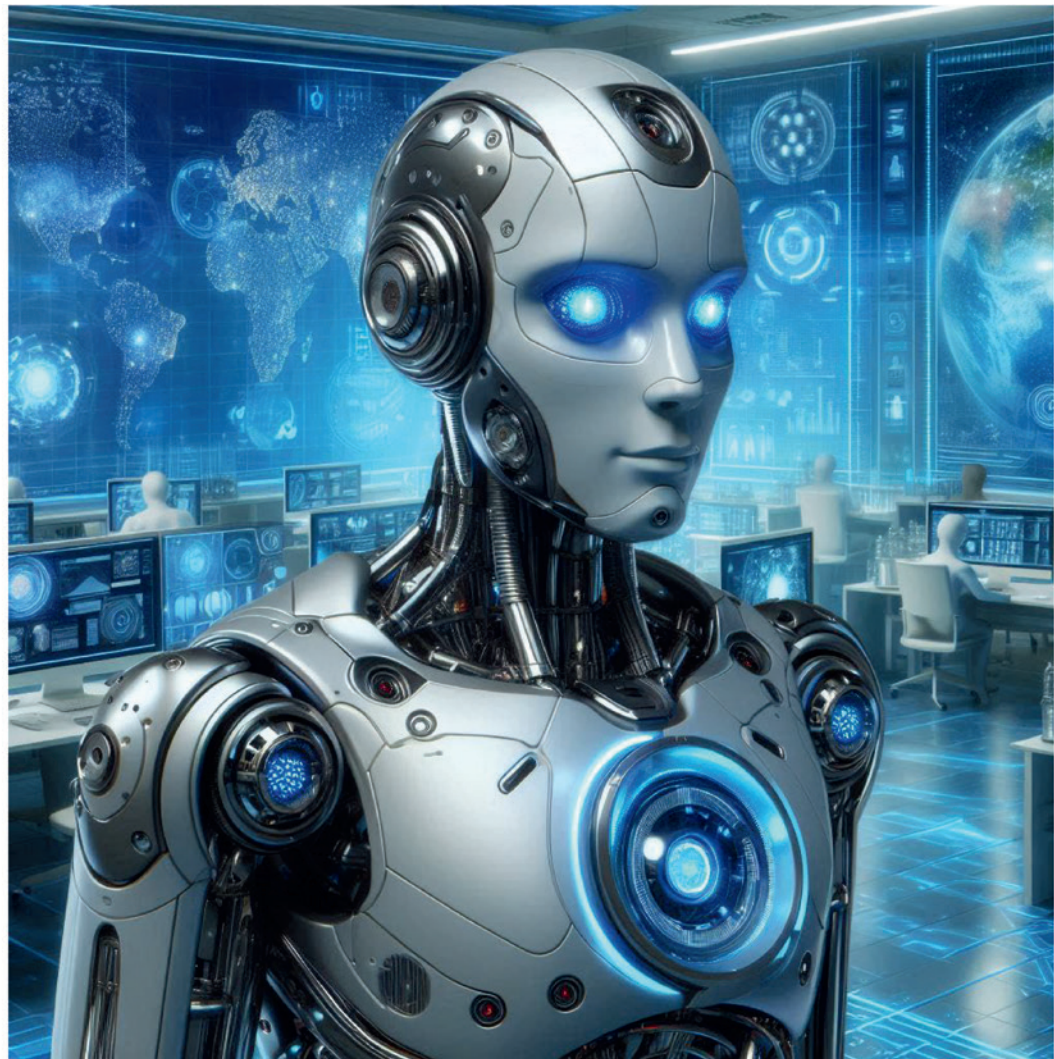
COURSE STRUCTURE AND CONTENT

The program begins with courses in AC and digital electronics, taken during the junior year. These courses cover a wide range of topics, including resistance, voltage capacitance, inductance, and the Wheatstone bridge. Students also learn practical skills such as soldering, with over 500 soldering projects, including building LED Programmable light up cubes and robotic cars using photo-sensitive diodes.

In addition to electronics, the program offers courses in computer technology, network technology, and cybersecurity. The program boasts impressive achievements, with 12 students having passed the A+ certification and one student passing the Network+ certification, in the past three years.

STUDENT CAPACITY AND CAREER PATHS

The program accommodates a maximum of 24 students per year, with an average of 15 to 20 students per grade. This year, the program has 21 juniors enrolled. Graduates of the program have pursued various career paths, including scales and cell-phone repair, computer repair, and higher education in fields such as computer in-



formation, cybersecurity, computer science, electrical engineering, and computer engineering.

INDUSTRY CONNECTIONS AND PRACTICAL EXPERIENCE

A key highlight of the program is its strong connection with industry professionals. Steve Smith, a representative from Buckeye Scale, cold-called the school and has since become an integral part of the advisory committee. He provides valuable input on the curriculum and offers students hands-on experience with scales and weights. Students participate in projects such as building RC cars, which allow them to explore gearing, custom modification such as underglow, and RF signal functionality.



The program also includes classes in drone certification and 3-D printing, and students can participate in Battle Bot competitions, where they build bots from the ground up using machined parts from the school.

MENTORSHIP AND REAL-WORLD APPLICATIONS

Steve Smith serves as a business mentor, bringing in scales and other equipment for students to work with. He even brought former students to teach current students about scales, which generated significant excitement. The school's motto, "Begin,

Believe, Become," encapsulates the journey from starting school to working in industry.



TESTIMONIALS AND SUCCESS STORIES

The program has received positive feedback from various stakeholders. For instance, Andrew and Sydney, two students from the program, were praised for their professionalism and preparedness during a project at Rural King. Additionally, Buckeye Scale has hired several graduates from the program, who have gone on to become state-certified service technicians.

FUTURE ASPIRATIONS

Looking ahead, the program aims to develop and implement a Handbook 44 training program to further enhance students' skills and industry readiness. With its strong emphasis on practical experience, industry connections, and comprehensive curriculum, the "Robotics and Computer Technology" program is poised to continue shaping the future of innovation.

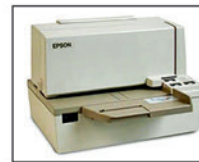


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- Circuit boards or units



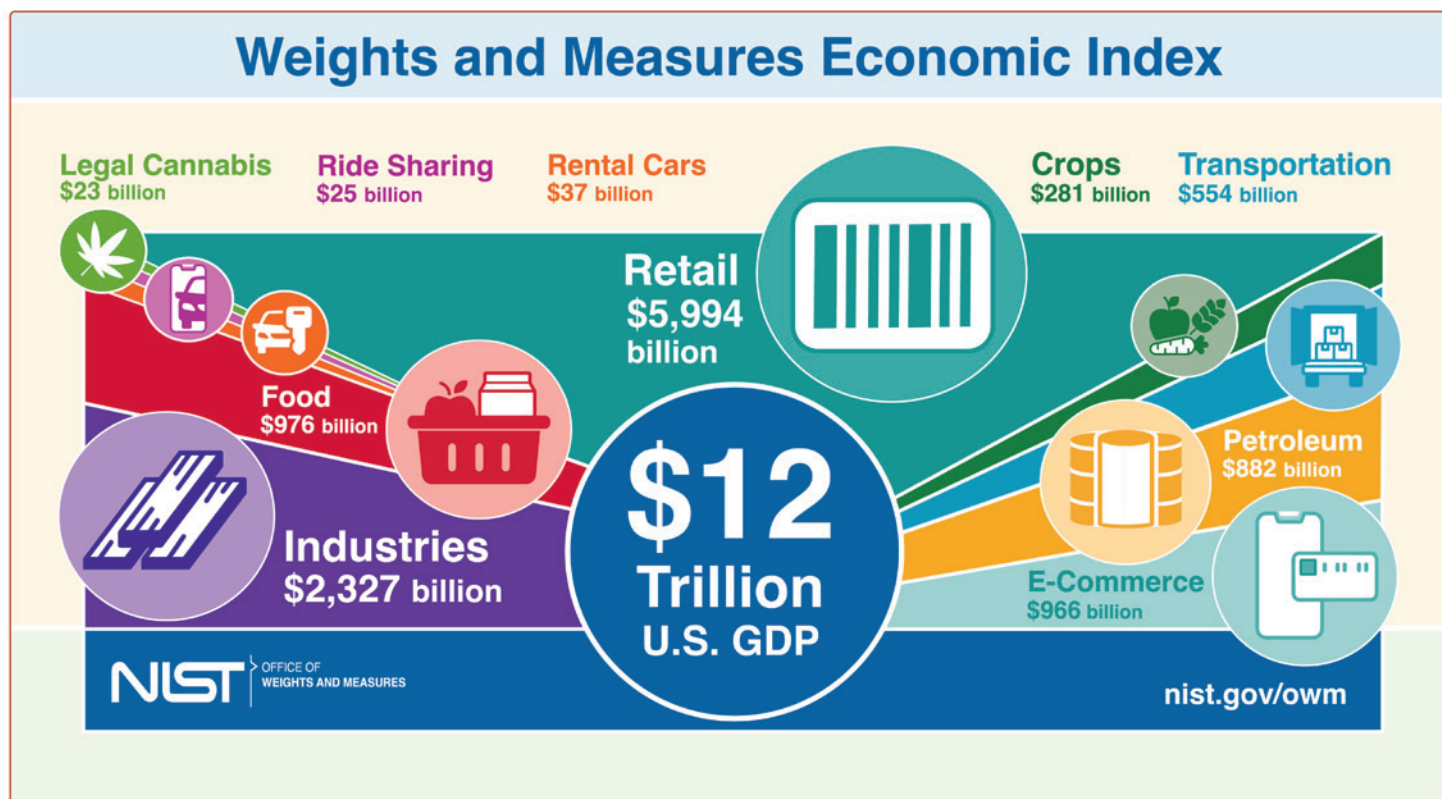
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The Economic Power of Weights and Measures

By: Office of Weights and Measures



When you fill up your tank, you trust you're getting precisely one gallon for the price advertised. The foundation of that trust is a consistent and scientifically grounded U.S. system of measurement. And it's not just fuel pumps: Accurate measurements impact groceries, construction materials, transportation, and countless other industries.

The U.S. Constitution grants the federal government authority to fix the standard of weights and measures. Today, that responsibility lies with the Office of Weights and Measures (OWM) at the

National Institute of Standards and Technology (NIST). Working alongside local and state agencies as well as technical experts, the NIST Office of Weights and Measures helps safeguard every commercial transaction, ensuring accuracy, consistency, and equity in the marketplace. Their work supports fairness and uniformity in commercial transactions across the country, from your corner store to your gas pump.

For more information, visit:
www.nist.gov/owm

The basic principle of state-regulated weights and measures activities is to reduce errors in commercial measurement and thus minimize economic loss to buyers or sellers in the marketplace. The total dollar value of commodities and services sold on the basis of weight or measure or subject to price verification inspections provides one indicator for the impact of weights and measures on the U.S. economy.

Category	Product and Services	1998 Market Sector Data	2022 Market Sector Data
		Billions (\$)	Billions (\$)
1	Food Sales (wholesale and retail)	815.3	976
2	Retail Sales (not including food)	2,000	5,994
3	Petroleum Products	260	882.2
4a	Other Industries, Metals, Steel, and Industrial Minerals	39.5	484.5
4b	Other Industries, Coal Mining	20	61.1
4c	Other Industries, Lumber and Wood Products	111	171.2
4d	Other Industries, Construction Material	26	146.8
4e	Other Industries, Textiles	84.8	27.6
4f	Other Industries, Paper Products	176	220.3
5	Fruits, Nuts, Vegetables, Grains, and other crops	176.3	280.6
6a	Transportation, Air Cargo	12	31.9
6b	Transportation, Railroad Freight	35	80.5
6c	Transportation, Truck Freight	347	441.5
7	Legal Cannabis		22.8
8	Ride Sharing		25.4
9a	E-Commerce, Food		97.9
9b	E-Commerce, Electronics		821.1
9c	E-Commerce, Beauty & Personal Care		47.0
10	Rental Cars		36.5
TOTAL		4,504	12,064

In 1999, OWM conducted an analysis of the impact of weights and measures regulations on the commercial transactions of U.S. products and services sold on the basis of weight or measure or subject to price verification inspections. This amounted to \$4.5 trillion (53%) of the \$8.5 trillion U.S. Gross Domestic Product (1998).

OWM repeated the analysis in 2024 with the assistance of the NIST Research Library. Using 2022 market sector data to include new sectors of ride-sharing, cannabis, and e-commerce, the impact of weights and measures regulations on the commercial transactions of U.S. products and services amounted to \$12 trillion (45%) of the \$26.4 trillion U.S. Gross Domestic Product (2022). 11/14/2025

U.S. products and services sold based on weight, measure, or subject to price verification inspections amount to \$12 trillion (45%) of the \$26.4 trillion U.S. Gross Domestic Product (2022).

Credit: NIST/K. Dill

The table above summarizes the estimated dollar values (in billions) for the various groups of products and services sold on the basis of weight or measure or subject to price verification inspections using 1998 and 2022 market sector data.

Please feel free to contact owm@nist.gov for market sector data sources or to answer any other questions.



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**WHO: W&M OFFICIALS,
INSPECTORS, SERVICE TECHS, AND
SERVICE AGENTS**

WHERE: GARDEN GROVE, CA

WHEN: FEBRUARY 10 - 13

LEARN MORE AND REGISTER:

NCWM.COM

Join Us in Building the Future of Scale Service and Support—Powered by AI

A bold new platform built for the weighing industry's future.

Dear ISWM Manufactures and Dealers,

We are embarking on a bold, industry-wide initiative to transform how scale service, training, and sales support are delivered across the globe. In partnership with ISWM, we're developing **Omni AI Services and Support by Ninja Concepts**, a unified AI-powered platform that serves every service technician, regardless of OEM, with instant, voice-driven access to repair procedures, training materials, and product documentation.

We are inviting you to co-create this new industry standard.

Why This Matters

The challenges we face are clear:

- Workforce attrition and lack of skilled technicians
- Slowed onboarding of the next generation of workers
- Tribal knowledge loss as experienced techs retire
- Customer support costs rising at scale manufacturers and dealers
- Productivity demands outpacing training systems

Omni AI Services and Support addresses all of these.

What Omni Delivers



AI-powered voice assistant

Find repair instructions in seconds—not minutes or hours.



Usage across sales, service, and training

A single tool for field techs, trainers, and support centers.



Gamified learning

Preserve tribal knowledge through interactive, technician-friendly tools.



Step-by-step guidance

Navigate directly to repair manuals or specific moments in videos.



Closed-loop analytics

Track questions, spot product failure trends, and surface common issues.



Data insights

for OEMs, dealers, and ISWM alike—building a smarter, more proactive industry.

Our Ask of You

We are seeking forward-thinking manufacturers to shape the MVP together. This includes:

- Secure access to public-facing manuals, videos, and training content
- Collaboration on permissions and content segmentation for dealers and technicians
- Feedback on functionality that will help your business scale service more effectively

No proprietary data like price lists or confidential IP is required.

We will work within your comfort zone on access and controls.

Business Model



Subscription-based service funded by manufacturers



Revenue sharing with ISWM and participating manufacturers



Global rollout to all service agencies, with ISWM serving as our trusted awareness partner



Finder's fee model for each new customer brought into the platform

This is not just a tool. It's a movement to strengthen our workforce, boost service productivity, and elevate customer satisfaction across the weighing industry.

Would you like to see a demo and help shape the future?

We look forward to your leadership in this important endeavor.

Our Inn^oweightion. Your Progress.

New Scales Series MiNexx[®]

Discover the award-winning MiNexx[®] indicators:
Combined with its weighing platforms or Minebea Intec
load cells, MiNexx[®] can be integrated in almost any
weighing application imaginable.

It has got what it takes: GMP compliant for traceable records.
Red Dot awarded user interface Blue HMI for process safety
and stability. NSF certified for maximum hygiene.

Boost efficiency and protect your brand reputation:
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intec**
The true measure



COMPANY NEWS

AVERY WEIGH-TRONIX Launches ZM223 Weight Indicator: The Most Versatile Indicator Yet

Avery Weigh-Tronix is proud to announce the launch of the ZM223 Weight Indicator, the first weighing solution that brings connectivity, versatility, and accuracy to multiple applications.

Designed for weight monitoring, data collection, and cloud-based data storage, the ZM223 enables control and visibility of processes, from dusty warehouses to food-safe production lines. Housed in a durable IP69K stainless steel enclosure with a large 1.5" color-changing display, the ZM223 is ideal for applications where clarity, speed, and durability are needed.

Unmatched Versatility and Application Customizations

With a library of preloaded applications - including general weighing, checkweighing, batching, grading, inventory control, truck scale in/out, hopper filling, and more, the ZM223 is ready to be easily integrated, right out of the box. It connects to various platforms, supporting both analog and digital scale inputs, and offers powerful features like peak hold and fill-and-discharge modes for efficiently managing various weighing processes, ensuring reliability.

Its large, color-changing backlight display (green, yellow, orange, red) and wide viewing angles draw the eye to the screen, even in poor lighting conditions, to ensure instant visual status recognition in all types of environments, ensuring safety and precision during operation.

Smart Connectivity for Simplified Operations

The ZM223 comes standard with RS232, USB, Bluetooth®, Ethernet, Enet/IP, Modbus TCP, and a 16GB micro-SD card, ensuring quick and easy set-up and integration into existing systems. The SD card ensures that the users always have access to the most updated software.

It can also easily connect directly to any cloud database server using secure HTTPS or MQTT connections, making it ideal when data needs to be safely controlled centrally from a specific cloud server. It is fully Lua programmable, providing a flexible platform to control and monitor processes from anywhere.

Control from Anywhere

With full support for the new Avery Weigh-Tronix Remote Assist™ Mobile Application, the ZM223 empowers operators and supervisors to monitor and control processes remotely. Enter customer details, batch numbers, or product data, and make real-time adjustments - all from a mobile device. Drivers can now stay in their vehicles and receive weight readings from their phone rather than getting out and viewing from a wired display, saving time and money.

The ZM223 can also be viewed and controlled via a web browser interface, allowing operators to manage scale operations from any PC on the same network. In real-time, operators can configure operator prompts, edit user-defined fields (UDFs), or update product and customer data remotely.

Designed for the Toughest Environments

Innovated for industrial resilience, the ZM223 is fully sealed to IP69K rated

stainless steel, allowing it to withstand consistent heavy washdowns, making it ideal for the food industry. The indicator comes with optional USB and Ethernet glands for waterproof, fast-disconnect connections to keep moisture out. Connect the indicator to Bluetooth and eliminate excess chords, increasing safety in high-demand environments.

INTERCOMP



Intercomp is the world's largest manufacturer of portable weighing solutions driving innovation in scaling technology. From complete wireless communication between scales, remote devices, and software, to industry-leading battery life, we offer a comprehensive range of products to fit any weighing application. Intercomp's range of products includes portable and in-ground scales, crane scales, indicators, and test equipment. Intercomp sells quality, American-made, in-ground and portable axle-weighing systems that provide essential features for multiple industries.

Intercomp's weighing systems are trusted around the world in industries such as transportation, logistics, construction, energy, and aggregates. These systems help customers monitor vehicle weight, comply with legal regulations, optimize payloads, and reduce operational costs. Intercomp's innovative RFX® Wireless Weighing Technology enables cable-free communication between scales, remote devices, and software—streamlining operations and enhancing safety.



COMPANY NEWS

Among its wide range of offerings, the CS1500™ Crane Scale stands out as a high-performance solution for overhead weighing. Designed for safety and efficiency, the CS1500™ allows accurate suspended load measurement with $\pm 0.1\%$ reading accuracy and capacities up to 10,000 lb (5,000 kg). These NTEP-certified models support traceable and compliant weighing for industrial applications. Featuring RFX® wireless connectivity, USB/RS232 output, and a large, easy-to-read LED display, the scale enables remote operation, minimizing risk and maximizing convenience. Long-lasting D-cell batteries provide up to 500 hours of continuous use.

For over 45 years, Intercomp Company has been serving the weighing and measuring industry. Headquartered in Medina, Minnesota, Intercomp has a global network of dealers. Our state-of-the-art manufacturing and calibration facility is ISO 9001:2015 registered, providing complete service, support, and certification for all Intercomp products.

MINEBEA INTEC

Weight indicators and floor scale MiNexx® at PPMA 2025

Minebea Intec, a leading global manufacturer of industrial weighing and inspection technologies will present three new, high-performance weight indicators which form part of the MiNexx® family at PPMA 2025 in Birmingham from 23-25th September. Bench and floor scales are used wherever precise weight determination is a central component of manual or semi-automatic processes. They enable consistent product quality and guarantee that legal requirements are met as well as ensuring ef-

ficiencies. Powerful Weight indicators are indispensable for the precise control of these weighing processes: they record and visualise weighing data, enable integration into control and ERP systems and control weighing processes of container, silo and truck scales. With the new MiNexx® weighing indicators, Minebea Intec is specifically addressing the increasing demands for process reliability, IT compatibility and user-friendliness.

Weight indicators MiNexx®: Flexible, networked and ready for any industrial weighing application

From simple weighing tasks to applications such as piece counting, filling or fill quantity control - the new MiNexx® weight indicators offer customised solutions for a wide range of industrial requirements. They have an intuitive user interface with a large colour display and advanced functions for process optimisation.

Cyber security in accordance with IEC 62443

A 3-level user management system that clearly regulates access rights and prevents tampering ensures maximum security for the MiNexx® weight indicators. User roles and password settings can be individually configured - an important component of IT security in accordance with IEC 62443. "With the new MiNexx® weight indicators, we are enabling our customers to make their processes significantly more efficient and secure," says Nils Hubrich, Product Manager at Minebea Intec. "Customers benefit from fast integration and reduced downtimes thanks to an initial start-up workflow for easy setup, intuitive operation and high quality standards, including backup and data protection."

The MiNexx® C model was specially developed for installation in control cabinets and impresses with its compact design and flexible integration into existing systems. The MiNexx® M and L weight indicators have a stainless steel housing with protection class IP 65 and can be placed near the scales or mounted on the wall or on a tripod, depending on requirements. While MiNexx® M is designed for compact applications with direct operation, MiNexx® L is particularly suitable for networked industrial environments thanks to its extended interfaces.

Latest MiNexx® 3000 floor scale: precision and flexibility

The new MiNexx® 3000 floor scale impresses with a standard resolution of 60,000d, a load capacity of up to 6 tonnes and a non-slip tear plate surface - ideal for demanding industrial applications. This combination ensures maximum safety and efficiency in daily use. Thanks to the high load capacity, the floor scale is perfect for heavy-duty applications such as weighing pallets, containers or big bags in the food, beverage and building materials industries, drums of chemicals in the chemical industry and machine parts and components in the metalworking industry. The robust and easy-care design ensures a long service life even under demanding conditions and enables particularly easy cleaning of the interior thanks to the hinged load plate.

Another advantage: the MiNexx® 3000 maximises process reliability and supports error prevention for increased resource conservation. "Thanks to its High Resolution and reliable measuring accuracy, it minimises the risk of faulty batches, facilitates seamless traceabil-



COMPANY NEWS

ity and reduces material losses - a clear contribution to sustainable production processes," says Eren Sagdas, Product Manager at Minebea Intec.

Everything from a single source; Minebea Intec

From consultancy, assistance to installation and maintenance: Minebea Intec offers comprehensive support for the smooth integration of the new MiNexx® scale series as well as all other products including checkweighing, inspection, X-

handles a range of capacities. It is easy to clean with a removable cover and continuous welds to prevent bacteria buildup in small gaps. With stainless steel construction, it withstands high-pressure wash-downs to ensure cleanliness and stays steady in tough conditions.

For checkweighing in food processing facilities, Rice Lake offers the CW-90X checkweigher. The built-in piezo keypad withstands knife-point contact to handle the harsh demands of production lines.

To deal with temperature changes, the IP65K sealed enclosure PreVent™ breather vent helps regulate the temperature of sensitive electronics and ensure functionality in any environment. The checkweigher's open base structure

minimizes bacterial buildup and keeps cleaning simple.

Rice Lake's NSF-approved line also includes the RoughDeck® QC-X floor scale. The top plate opens to a full 75° for cleaning and inspection, so every crevice can be viewed and sanitized. The QC-X is designed with flat vertical plates to avoid tubes or channels that frequently lead to bacterial buildup. For above-ground applications, Rice Lake offers ramps with the same construction for easy cleaning and use.

Rice Lake Weighing Systems is a global leader in weighing and measurement solutions. With a focus on innovative, quality products and legendary customer

service, Rice Lake provides solutions for your business. From the industry's largest selection to an infinite array of customized systems, Rice Lake can meet any



ANYLOAD

ANYLOAD INTRODUCING AXLE WEIGH PADS & INDICATOR

ANYLOAD has released its new portable axle weighing solution, which consists of the AXA Axle Weigh Pads and the AN560 Axle Weighing Indicator. Together, they form a complete system for both static and dynamic axle weighing in logistics, law enforcement, and industrial applications. Built for portability, durability, and extended runtime, the system is designed to deliver reliable performance in field operations.

Key Features:

Rugged Axle Weigh Pads: IP68-rated for superior dust and water resistance. Powder-coated aluminum housing with integrated LCD and capacitive touch keys ensures durability in harsh conditions.

Extended Battery Life: Both indicator and pads use rechargeable, replaceable standard batteries, delivering up to 600 hours of continuous operation per charge.



CW-90X



BenchMark HE-X



RoughDeck QC-X

Ray and software.

RICE LAKE WEIGHING SYSTEMS

Rice Lake's NSF-approved Scales Make Food Sanitization Simple

Rice Lake, Wis.—Rice Lake is proud to offer weighing solutions approved by the National Sanitation Foundation (NSF). Since the NSF standardizes safety and sanitation for equipment in food processing, meeting its strict standards shows that a scale is durable, sanitary and ready to weigh. Rice Lake's line of NSF-approved products includes bench scales, floor scales and indicators.

The BenchMark® HE-X is new to Rice Lake's NSF-approved product lineup and



COMPANY NEWS

Static and Dynamic Axle Weighing: Supports static weighing, center-of-gravity mode, and weigh-in-motion (WIM) for AXA-8 model.

AN560 Indicator: Weighs only 6 lb (2.7 kg) and connects up to 8 axle weigh pads. User-Friendly Operation: Recessed screen to protect from wheel rollover damage, with backlight & adjustable brightness for night-

time use. streamlining setup & transport and ensuring reliable wireless performance.

Accurate & Durable: Engineered for long-term field performance to provide consistent readings under varying load and temperature conditions, with optional cold-weather batteries to operate in -40C°/-40F°.

Application:

The AXA Axle Weigh Pads are ideal for industries and operations requiring accurate and portable axle weight measurement, including:

- Fleet Management and Roadside Enforcement
- Vehicle Loading and Compliance Checks
- Transport Hubs and Airports
- Mobile Weighing in Agriculture, mining, and Construction

ORBITUARIES

Kathleen A. Irwin, 1958 – 2025 (Wife of Jim Irwin, Commercial Scale)

Kathleen “Kathie” Ameele Irwin, 67, of Westfield, MA, passed away peacefully on August 27, 2025, at Brigham and Women’s Hospital in Boston, surrounded by her loving family, after a courageous battle with metastatic cancer.

Born in Rochester, NY, in July 6, 1958, to Richard and Elizabeth Ameele, Kathie was a curious, creative, and thoughtful child with a deep love of reading and learning. After the loss of her father in 1963, her mother raised Kathie and her older brother, Kevin, with strength and devotion. Throughout her life, Kathie remained active in church communities wherever she lived, finding faith and fellowship in each place she called home.

Kathie attended East High School in Rochester, where she was involved in cheerleading, swimming, ski club, and French club. She also formed cherished friendships there, including with Sharon, who would remain one of her dearest

friends for nearly five decades. She also learned to become a wonderful baker, gaining experience and knowledge from her mother, Elizabeth.

After graduating, Kathie attended the State University of New York (SUNY) at Oswego, majoring in Industrial Arts Education. Her college years brought lifelong friendships with Carol, Colleen, Jaime, and Sharon, as well as the greatest love of her life—James “Jim” Irwin of New York, NY—whom she met in 1978.

Kathie and Jim were married in September 20, 1980, in Rochester, NY. Kathie’s brother Kevin proudly walked her down the aisle. The couple began their life together in New Milford, CT, where Kathie earned a master’s degree in Education from the University of Bridgeport before embarking on her career as an educator. Over the years, she taught at many levels—preschool, elementary, and middle school—in New York, Connecticut, and Massachusetts. She also served as a Sunday school teacher for the First Reformed Church in Rochester, NY and First Congregational

Church in Westfield, MA. Her final and most beloved role was as a kindergarten teacher at Woodland Elementary School in Southwick, MA, where she taught from 2008 until her retirement in 2023, following her cancer diagnosis.

Family was at the center of Kathie’s life. Together, she and Jim raised three children: R Timothy Irwin (Emily) of Lenox, MA; Stephen Irwin (Adrian Carlos) of Phoenix, AZ; and Elizabeth “Libby” Irwin of Westfield, MA. Kathie was immensely proud of her children and their accomplishments, always encouraging them to pursue their passions with the same strength and determination she modeled. She met her illness with that same resilience, enduring more than 30 rounds of chemotherapy, radiation, immunotherapies, and surgery—all with grace, courage, and faith “one strong, brave, determined day at a time.”

Through every step, Jim was her steadfast partner, advocate, and greatest supporter. Together, they were blessed with more than two additional years of precious time,



COMPANY NEWS

during which Kathie celebrated the joy of becoming a grandmother to Theodore and Oliver, and the addition of many beloved grand-pets.

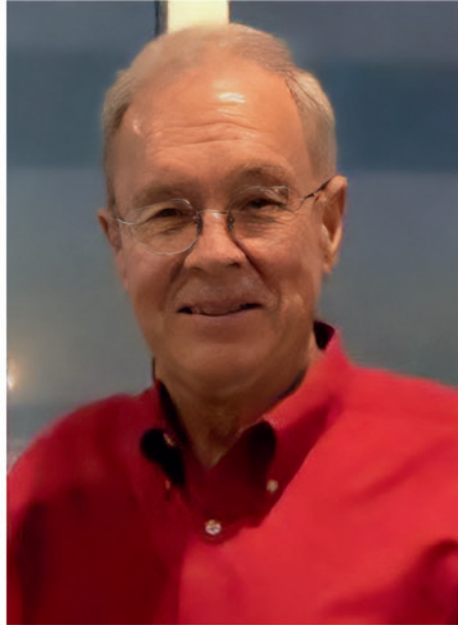
The family is deeply grateful for the countless friends, neighbors, colleagues, and community members who offered prayers, meals, and support throughout Kathie's journey. The "Prayer Army" that surrounded her was a source of strength and comfort, and their faith and kindness will never be forgotten.

Kathie was predeceased by her father, Richard Ameele, in 1963, and her mother, Elizabeth Ameele, in 2011, along with many beloved aunts and uncles. She is survived by her husband of nearly 45 years, Jim Irwin; her children Timothy (Emily) Irwin and their sons Theodore and Oliver, Stephen (Adrian Carlos) Irwin, and Libby Irwin; her brother Kevin (Debbie) Ameele and their children Nicholas and Abigail; and many extended family members and friends whose lives she touched.

Martin Eugene Oehler, Jr.

Martin Eugene Oehler, Jr., beloved father, grandfather, great-grandfather, and friend, passed away peacefully on July 4, 2025, at the age of 82, surrounded by loved ones. He is the son of the late Martin E. "Buster" Oehler and Janie Monteith Oehler.

Martin was preceded in death by his devoted wife of 50 years, Christine Crisp Oehler, whose memory remained close to his heart every day since her passing. Martin was also preceded in death by his brother, William "Billy" N. Oehler.



A man of deep faith, unwavering integrity, and quiet generosity, Martin lived a life full of purpose and service. He is survived by his son, Matt Oehler, and daughter, Melanie Cruse. He was a proud and loving grandfather to Haley (Matt) Sinnes, Hannah Oehler, Talon Cruse, Chase Oehler, and Matthew Oehler. His legacy lives on through his great-grandchildren, Joseph and Olivia Sinnes, who brought him endless joy in his later years and his sister, Patsy Oehler. Martin also leaves behind a very special friend, Jean Robinette White, whose companionship and kindness were a true blessing in his life.

Martin was a long-standing and dedicated member of the Derita Masonic Lodge #715, where he formed lifelong friendships and lived out the Masonic values of brotherhood, charity, and truth. His work with the Oasis Shriners was another profound calling in his life. He gave generously of his time and energy to the Shriners' mission of helping children in

need, earning accolades and respect for his tireless commitment and leadership. He was a member and past Captain of the Keystone Kops. He was also a member of the Robbinsville Shrine Club, Past Captains Club and the Royal Order of Jesters Charlotte Court 109.

Shriner's Children's Greenville recognized Martin's lifelong commitment to his community and the children the hospital serves when it unveiled the Cris and Martin Oehler Auditorium on April 15, 2022. The Oehler Auditorium remains a space where physicians advance their skills and knowledge, and patient's achievements are celebrated.

In addition to his philanthropic and fraternal commitments, Martin was a visionary entrepreneur. As a founder of Charlotte Scale, he built the company from the ground up more than 50 years ago. Under his leadership, Charlotte Scale grew to become a trusted name in precision measurement solutions, serving industries across the Carolinas and beyond. His values of excellence, customer service, and innovation remain the cornerstone of the company's continued success to this day.

From Safer Skies to Fewer Fires: 10 Ways NIST Impacts Your Daily Life

By: Robin Materese

Much of the work NIST does may seem far removed from your daily life. After all, how often do you find yourself trapping ions or measuring the nutrients in peanut butter?

But the reality is that there are many ways our work tangibly impacts — and improves — your daily life and the U.S. economy. How exactly, you may be wondering? (I know if I didn't work at NIST, I'd be wondering that.) Well, wonder no more.

In the tradition of year-end top 10 lists, we present to you ... the top 10 (often little-known) ways that NIST's research impacts your daily life.

1. **Air travel:** 45,000 flights a day in the U.S. stay in the air because of the accuracy of the airspeed sensors on every plane. These sensors work properly thanks to standards calibrated by NIST in our wind tunnel.
2. **Your health:** More than 700 million X-ray images — including 40 million mammograms — are safely and effectively performed every year in the U.S. That's because the X-ray exposure used in every one of them is traceable to the radiation

physics labs at NIST. (If you're wondering what it means to be "traceable," it means that the chain of calibration — or all the steps it took to test and check that the machines are operating as intended and providing accurate results — can be traced back to NIST.)

In addition, approximately 70% of our health care decisions are based on clinical measurements, such as cholesterol, glucose in your blood and testosterone levels. NIST's clinical standard reference materials (SRMs) enable the accuracy and reliability of the more than 500 million clinical measurements performed annually in the U.S.

3. **Saving lives:** Since the Federal Fire Prevention and Control Act of 1974 was passed, annual U.S. fire fatalities have decreased by more than 50%. NIST's fire research has played a crucial role in saving thousands of lives annually. Advances include cigarette-resistant furnishings, guidance on the performance and location of smoke alarms, less-flammable mattresses, better firefighter gear and improved U.S. building codes.

In addition, SRMs are used to ensure accurate and reliable determination of blood alcohol content levels by law enforcement personnel across the U.S., helping to make our roads and highways safer.

4. **Keeping you on time:** Did you know that NIST keeps time for the nation? Our time services receive more than 100 billion hits a day, including by your computer and phone. Telecommunications networks, the power grid and stock markets also depend on NIST's accurate time dissemination. (Learn more about the atomic clocks that help facilitate this.)
5. **Buildings, bridges and other structures:** More than 110 million tons of steel is safely used every year in the U.S. NIST produces and sells 5,000 standards that are used to test steel for hardness and toughness. Steel companies rely on our tests to make sure their steel is used safely. In addition, 30 billion tons of concrete used every year around the world relies on a NIST SRM for quality control.



10 WAYS NIST IMPACTS YOUR DAILY LIFE

6. Shopping and gas: More than 50% of the U.S. economy depends on weights and measures, which are regulated at the state level. NIST's Office of Weights and Measures supports states' efforts to ensure fairness in every commercial sale in the U.S. This includes making sure you get what you pay for at the pump thanks to NIST's accurate measurements for liquid containers and the training of state inspectors.
7. Safe(r) travels: More than 160 million U.S. passports are protected against skimming attacks due to NIST measurements of RFID-enabling technology.
8. Your home: Home insulation greatly reduces your heating and cooling bills. NIST offers a highly accurate measuring service for low-density, thick insulation. This ensures that you are getting what you pay for when you install insulation in your home.
9. Healthy babies: Nearly 3 million infants in the U.S. rely on formula as their sole source of nutrition annually. NIST's SRMs support nutrient and contaminant testing that ensures the formula's safety and that its ingredients lead to proper growth and development.
10. National security: The U.S. military annually performs electrical calibrations traceable to NIST, thus ensuring the readiness of fleets (including ships and planes), weapon systems and communication systems. These calibrations keep us safe by ensuring that systems are accurate and can reliably perform their designated missions.

And every day, the more than 2 million Americans flying on commercial flights

Interested in learning more about these and other ways NIST works for you? You can check out additional examples on our [NIST Works for You](#) page.

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