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OFFICIAL MAGAZINE

## IAPMO Solicits Proposals for 2018 *UPC*, *UMC*

The International Association of Plumbing and Mechanical Officials (IAPMO®), publisher of the *Uniform Plumbing Code*® (*UPC*) and *Uniform Mechanical Code*® (*UMC*), is calling for formal code proposals toward the development of the 2018 editions of these American National Standard designated model codes.

The code proposal form, as well as proposal instructions and background on IAPMO's ANSI-accredited consensus process, can be found at [http://codes.iapmo.org/form\\_proposals\\_upc\\_umc\\_2018.aspx](http://codes.iapmo.org/form_proposals_upc_umc_2018.aspx). All proposals recommending new text, revised text or the deletion of text must be written in legislative format and clearly state the reason behind the recommendation.

No proposals will be accepted after the 5 p.m. PST deadline on Jan. 4, 2016.

Introduced in Los Angeles in 1928 and formally published as the *Uniform Plumbing Code* in 1945, the *UPC* is developed to govern the installation and inspection of plumbing systems as a means of promoting the public's health, safety and welfare. Later published by IAPMO in 1967, the *UMC* provides the same governance for mechanical systems. Developed and subsequently republished at the conclusion of each three-year code cycle, the *UPC* and *UMC* are designed to provide consumers with safe plumbing, heating and mechanical systems while, at the same time, allowing latitude for innovation and new technologies.

IAPMO employs a voluntary consensus development process accredited by the

American National Standards Institute (ANSI), gathering the largest assembly of plumbing and mechanical experts in the world at its annual education and business conference and technical committee meetings, enabling anyone – members and nonmembers alike – to have a voice and a vote on proposed changes to the code. The 2018 editions of the *UPC* and *UMC* will mark the sixth time these codes have been developed in this manner and the third time they have been developed pursuant to IAPMO's status as an ANSI Audited Designator.

IAPMO urges its members and other interested parties to get involved in the code development process to ensure effectiveness in preserving the public health, safety and welfare through strict governance of the *Uniform Codes*. Installers, plumbing and mechanical officials, the construction industry, engineers and manufacturers all benefit from a cooperative effort in developing codes.

For questions about submitting proposals for the *UMC*, contact Hugo Aguilar, *UMC* liaison, at (909) 472-4111 or [hugo.aguilar@iapmo.org](mailto:hugo.aguilar@iapmo.org). For questions about submitting proposals for the *UPC*, contact Enrique Gonzalez, *UPC* liaison, at (909) 230-5535 or [enrique.gonzalez@iapmo.org](mailto:enrique.gonzalez@iapmo.org).

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## IAPMO's 86th Annual Conference Set to Kick Off in Las Vegas, NV

IAPMO's Annual Education and Business Conference is known for offering top-notch education, and this year promises to be no exception. Once again we have assembled some of the top industry experts to help you stay abreast of the latest information related to the plumbing and mechanical trades. With this being the first year of the code cycle, there will be extensive training sessions covering code changes within the 2015 Uniform Plumbing and Uniform Mechanical codes. Additionally, classes covering other code and industry related issues, as well as the ever popular Plumbing and Mechanical Code Workshop, will round out a great week of education and training.

Register now to join us Sept. 27-Oct 1 for code discussions, education, networking and a little taste of what Las Vegas has to offer.

Register Today: <https://forms.iapmo.org/conference/Default.aspx>

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## Imagine a Day Without Water

The Value of Water Coalition announced the *Imagine A Day Without Water* campaign, a national education initiative to raise awareness of and build public support for investment in water. *Imagine a Day Without Water* will take place from October 6-8, 2015 across the country with participation from partner organizations, water providers, local elected officials, and more. [Learn more here.](#)

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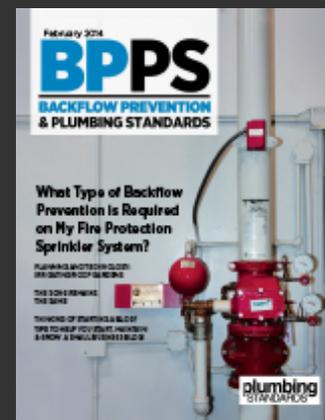
## IAPMO's Uniform Evaluation Service Enters Cooperative Agreement with



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### BPPS MAGAZINE



Backflow Prevention & Plumbing Standards (BPPS) magazine is the only monthly trade publication dedicated to the backflow prevention and plumbing industries. BPPS is specifically designed to address each of our audiences - including contractors, plumbers, sprinkler fitters, irrigation personnel, backflow prevention assembly installers and testers, water utilities, water operators, inspectors and manufacturers - in each and every issue.

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## Twining, Inc.

IAPMO's Uniform Evaluation Service (UES) has entered into a cooperative agreement with Twining, Inc. for the development and maintenance of evaluation reports, with Twining performing the corresponding product testing. As a result of the agreement, Twining's clients may choose to have their products recognized in the form of a Uniform Evaluation Report.

"This agreement provides Twining's clients the opportunity to have their products recognized in a Uniform Evaluation Report while maintaining their current qualified testing relationships," said Boris Stein, senior vice president of Twining. "Twining is pleased to be building a strong business relationship with UES."

Based in Long Beach, Calif., Twining, Inc. is ISO 17025 accredited through International Accreditation Service (IAS) report TL-196. The accreditation certificate recognizes Twining's fields of testing in concrete, masonry, asphalt, soils and rock, steel, spray-applied fireproofing, anchors and fasteners, and wood-based adhesives.

"This agreement makes sense, yielding a win for manufacturers, building professionals, and code officials," said Richard Beck, vice president of Uniform Evaluation Services. "It effectively allows both UES and Twining to perform those tasks they do best for the efficient advancement of the building industry."

Products recognized under UES have successfully undergone evaluation based on applicable requirements within the International Family of Codes, as well as codes published by other entities. UES staff thoroughly examines a product's information, test reports, calculations, quality assurance, quality control methods, and production processes/procedures to determine if a product is code compliant.

The UES program is built upon IAPMO's more than 70 years of experience in evaluating products for code compliance. Accredited by the American National Standards Institute (ANSI), the program operates under ISO/IEC Guide 65, "General Requirements for Bodies Operating Product Certification Systems."

IAPMO's UES offers a full range of recognition opportunities, including recognition for the applicable national model codes, as well as Florida, California, and various other state codes. The UES program increases the value to code officials of these reports by combining all of these recognitions in one concise report prepared by an internationally recognized product certification body.

For more information on IAPMO Uniform ES, direct your Web browser to [www.uniform-es.org](http://www.uniform-es.org) or contact Dawn Atencio at (909) 472-4100 or [dawn.atencio@uniform-es.org](mailto:dawn.atencio@uniform-es.org).

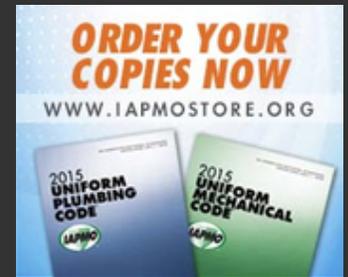
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## Sanjay 'Jay' Mishra Selected to Head IAPMO Institute of Building Technology

The IAPMO Group is pleased to announce that Sanjay "Jay" Mishra will be heading The IAPMO Institute of Building Technology (IBT), a division of IAPMO R&T Lab, as vice president of Building Product Testing.

Mishra comes to IAPMO after 24 years as vice president of RADCO in Long Beach, Calif., where he managed the company's testing laboratory and code coordination activities. He has spent more than two decades designing, analyzing, and reporting on all aspects of physical compliance testing of building products for code bodies and federal/state regulatory approval. He also created procedures for manufacturers' quality assurance programs, represented clients as an expert witness in cases related to water

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damage, weathering, and structural design, and was also the chief information officer at RADCO, handling all aspects of IT-related functions.

Since 1990, Mishra has authored numerous technical test reports for submittal and acceptance by federal, state, and city governments and agencies nationwide.

"We are thrilled to be adding such a well-known and respected name within the building product industry to the IAPMO family," said IAPMO CEO GP Russ Chaney. "Jay's two-plus decades of experience and expertise in the areas of testing and quality assurance – running a laboratory and developing testing programs for compliance – will be a valuable asset as we continue to expand not only throughout the United States, but also around the world."

Mishra will focus his energies on establishing IBT as a great resource for providing consulting, R&D and testing services to the building industry. He will oversee all aspects of designing and implementing the capabilities of IBT, and has been instrumental in obtaining accreditation for a wide variety of methodologies. Mishra earned a Bachelor of Engineering degree in Mechanical Engineering from Bangalore University in India and a Master of Science degree in Technological Systems Management from State University of New York at Stony Brook. He is a member of the American Society of Mechanical Engineers and the American Society for Testing & Materials.

"This is a very exciting time in our industry, and the synergies created by our diverse business units will allow us to provide a wealth of consulting and testing services to our customers," Mishra said.

For more information on IBT, direct your web browser to [www.iapmoibt.org](http://www.iapmoibt.org).

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### **Uniform Evaluation Service Hires Barry A. Johnson, PE, as Senior Engineer**

The IAPMO Group is pleased to announce Barry A. Johnson, PE, has joined the Uniform Evaluation Service (UES) staff as a senior engineer.

Johnson brings nearly 30 years of technical experience in design and construction as a civil/structural engineer. He spent the past 23 years with ICC, working in both technical services and evaluation services. He served most recently as senior staff engineer, launching a building products listing program in addition to working on deck, guardrail, and exterior wall cladding evaluation reports and reviewing reports to the Florida building codes.

"Uniform ES is the fastest growing evaluation agency in the United States largely because of our staff's commitment to quality, doing the right things, code knowledge, technical expertise, and of course IAPMO's support; we are extremely pleased to add someone with such great skills and experience to our growing staff," said Uniform ES Vice President Richard Beck. "Barry is a great addition. Our clients will benefit greatly from Barry's communication skills, technical expertise, and code knowledge."

Johnson earned a B.S.C.E. degree and MBA from the University of Alabama and began his engineering career with Vulcraft, a division of Nucor Corporation. He is a registered professional engineer in two states: Alabama and Florida.

"The addition of Barry Johnson confirms the Uniform ES commitment to excellence and to becoming the best and most widely accepted evaluation agency in the United States," said Ohannes Dembekjian, senior vice president with IAPMO R&T. "Barry's expertise will allow Uniform ES to service a wider range of clients who are seeking



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detailed, professional evaluation reports."

"I am excited to be part of the Uniform ES team and looking forward to continuing my relationships within the building community," Johnson said. "It has always been rewarding to help manufacturers gain a wider entry into the marketplace and to work with the building safety and design professionals to make their jobs easier."

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## **IAPMO Attends BCPGIA Summer Event in New England, Mass.**

On August 23, IAPMO participated in the Bristol County Plumbing and Gas Inspectors Association (BCPGIA) summer event. The summer annual outing provides plumbers, gasfitters, inspectors, industry associates, and their families and friends an opportunity to mix social time and business time at an outdoor country setting.

Attendees could enjoy a traditional New England clam boil, featuring fresh local steamed clams and regionally produced meat selections, scholarship raffles, prize give-a-ways, vendor sponsor expo tent, and live music. The event also hosts the Frank Reilly memorial horseshoe tournament. Reilly was an IAPMO instructor, IAPMO member, and Massachusetts plumbing/gas inspector.

As an event sponsor of the vendor expo, IAPMO staff presented continuing education class information for the upcoming licensee and inspector seminar programs, discussed current curriculum and code items and answered related questions. IAPMO staff enjoyed talking with attendees, including having a conversation with a family considering the potential for their teenage student in the plumbing industry.

IAPMO is one of the Commonwealth of Massachusetts Board of Examiners of Plumbers and Gasfitters approved providers of mandatory continuing education attended by licensed plumbers and gasfitters each year and is the sole provider of the semi-annual MA plumbing and gas inspector continuing education training classes.

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## **Top Apprentices Compete in the 28th Annual UA Competition**

Thirty-two plumber, pipefitter, sprinkler fitter, mechanical service technicians and welder apprentices traveled from areas across North America and Australia to Washtenaw Community College in Ann Arbor, Michigan to compete for the title of best in their specialty.

The competition, held by the United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada (UA), featured contestants from the UA's six North American districts, and two candidates representing the UA in Australia, who had previously won local, state, provincial and regional events. The competitors were required to complete a series of tests in each field, demonstrating both their theoretical and practical skill set.

The Copper Development Association (CDA) donated all copper materials for the competition and was responsible for designing and judging the copper component of the competition, which lasted a total of four hours for each discipline and included nearly every type of joining technique when it comes to copper piping systems.

"This isn't like putting together IKEA furniture," said Andy Kireta Jr. vice president of CDA. "The apprentices must apply their on-the-job skills and knowledge they've gathered at their local union halls. There are no step-by-step instructions."

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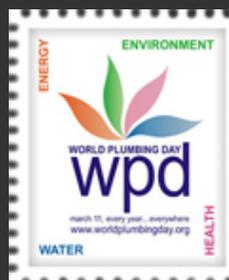
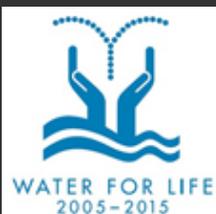
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The five winners of this year's "Best Copper Projects" were:

Plumber: Michael Harris	LU 44 Spokane, WA
Pipe Fitter: Jeremy Bergen	LU267 Syracuse, NY
Sprinkler Fitter: Brian Price	LU 120 Cleveland, OH
Service Technician: Christian Valenti	LU 630 West Palm Beach, FL
Welder: Andrew Schwan	LU 601 Milwaukee, WI

\*LU = Local Union

As part of the UA's annual Instructor Training Program (ITP), CDA taught Copper Piping Systems, Advanced Installations, Specialized Design and Safe Operation twice daily, over the five days. The course focused on copper techniques and applications, including: standards, soldering/brazing, dissimilar metal joining, alternate no-flame joining, joint analysis, corrosion causes and prevention for long-term performance.

"Over the years, the ITP has proven to be extremely important to these men and women for their continued development and expansion of the industry," said Dale Powell, a CDA project manager who has served as a UA course instructor and competition judge for many years. "This year, attendance was up, which is a positive sign that the construction economy is on the rise."

The week concluded with the ITP graduation ceremony and the announcement of the winners for the Apprenticeship Competition for each particular discipline. In addition to a commemorative copper trophy, the winners of the copper portion of the contest each received a \$1,000 prize from CDA.

To learn more about the day-to-day activity of the UA Competition, visit the Plumbing section on our blog, [thinkcopper.org](http://thinkcopper.org).

#### *About Copper Development Association*

*The Copper Development Association is the information, education, market and technical development arm of the copper, brass and bronze industries in the USA. Learn more at [copper.org](http://copper.org), on our blog [thinkcopper.org](http://thinkcopper.org) or follow us on Twitter at [twitter.com/thinkcopper](https://twitter.com/thinkcopper).*

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## **Dodge Momentum Index Moves Higher in August**

The Dodge Momentum Index increased to 128.3 (2000=100) in August, up 2.8% from its July reading of 124.8, according to Dodge Data & Analytics. The Momentum Index is a monthly measure of the first (or initial) report for nonresidential building projects in planning, which have been shown to lead construction spending for nonresidential buildings by a full year. Planning data continues to trend higher following a weak start to the year, in response to improving economic data and real estate market fundamentals, which bodes well for construction spending through the first half of 2016. The August gain for the Momentum Index was due to a strong increase in new plans for commercial buildings, up 8.4% from July, while the institutional building sector contracted 5.2% following a surge of planning activity in July. On a year-over-year basis commercial planning is 20.6% higher, while institutional planning is up 5.1%.

There were a total of ten projects entering planning in August with a value that exceeded \$100 million – eight commercial projects and two institutional projects. In the commercial building sector, a \$500 million mixed-use project in Santa Clara CA, a \$400 million hotel at JFK International Airport in New York NY, and a \$350 million warehouse in Orlando FL entered planning. Within the institutional building sector, a \$400 million hospital in Phoenix AZ and a \$150 million assisted living facility in

Seattle WA entered planning.

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## State Waiver Allows Amish Exemptions in Wisconsin Building Code

Wisconsin has granted waivers to Amish families to avoid installing smoke detectors, carbon monoxide detectors and modern plumbing without breaking the law.

An amendment to the state budget, introduced by state Rep. Kathy Bernier, R-Lake Hallie, passed this summer allowing for exemptions to the electrical and plumbing requirements in the state's uniform dwelling code to residents for which compliance would violate long-held religious beliefs.

In Eau Claire County, six Amish families have faced eviction and more than \$40,000 in fines for non-compliance. David Mortimer, a member of the National Committee for Amish Religious Freedom, said the change is a win for First Amendment rights.

"This means that the threat of fines, the threat of court-ordered eviction from their homes, the risk of arrest, all of that goes away because of this form," Mortimer said.

I think this is going to set a standard, not just for Eau Claire County but for the entire state and the nation," Bernier said. "It will be a good model as to how to have a good structure and yet recognize the rights of a group of people who have religious beliefs they have held for hundreds of years."

About 17,000 Amish people live in Wisconsin, according to the Young Center for Anabaptist & Pietist Studies.

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I-Connection Electronic Newsletter

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## Industry Calendar

**86th Annual Education and Business Conference**  
Sept. 27 - Oct. 1, 2015  
Las Vegas, NV  
[www.iapmo.org](http://www.iapmo.org)

**2015 ASPE Technical Symposium**  
October 1 - 4, 2015  
St. Louis, MO  
[www.aspe.org/2015-ts-home-page](http://www.aspe.org/2015-ts-home-page)

**WaterSmart Innovations Conference and Exposition**  
October 7 - 9, 2015  
Las Vegas, NV  
[www.watersmartinnovations.com](http://www.watersmartinnovations.com)

**ASSE Annual Meeting**  
November 3 - 7, 2015  
Phoenix, AZ  
[www.asse-plumbing.org/](http://www.asse-plumbing.org/)

## Upcoming Seminars

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ALASKA SEMINARS		
November 7, 2015	Anchorage, Alaska	2012 UPC Code Update Workshop
ARIZONA SEMINARS		
October 12-16, 2015	Phoenix, AZ	Backflow Prevention Assembly Tester 40 hr Course and Exam

October 16, 2015	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
November 16-20, 2015	Phoenix, AZ	Backflow Prevention Assembly Tester 40 hr Course and Exam
November 20, 2015	Phoenix, AZ	Cross Connection Control Recertification - 8 hr Course and Exam
<b>CALIFORNIA SEMINARS</b>		
October 5-9, 2015	Ontario, CA	Backflow Prevention Assembly Tester 40 hr Course and Exam
October 9, 2015	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
<b>COLORADO SEMINARS</b>		
September 21-25, 2015	Denver, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
October 7-9, 2015	Durango, CO	ASSE 5130 Backflow Prevention Assembly Repairer Training and Certification Examination
October 19-23, 2015	Pueblo, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
<b>LOUISIANA SEMINARS</b>		
October 19-23, 2015	Metairie, LA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
<b>MASSACHUSETTS SEMINARS</b>		
<b>Session 8 Training now available - <a href="#">click here for the schedule!</a></b>		
<b>MINNESOTA SEMINARS</b>		
October 12-16, 2015	Burnsville, MN	ASSE 5110 Backflow Tester Class 40 hours
October 12-15, 2015	Burnsville, MN	Minnesota Rebuilder Certification to ASSE 5110 Tester and ASSE 5130 Repairer Certification
October 12-14, 2015	Burnsville, MN	Minnesota Tester to ASSE 5110 Tester Certification
<b>NEW JERSEY SEMINARS</b>		
October 19-23, 2015	Pennsauken, NJ	Backflow Prevention Assembly Tester 40 hr Course and Exam
October 23, 2015	Pennsauken, NJ	Cross Connection Control Recertification - 8 hr Course and Exam
<p>IAPMO is an approved provider for Continuing Education by USGBC, IACET, AIA and many local organizations and jurisdictions. Contact the IAPMO Training staff to register at 1-877-427-6601, or go to our website <a href="http://www.iapmo.org/Pages/Seminar.aspx">http://www.iapmo.org/Pages/Seminar.aspx</a> to register online. New training dates are added periodically!</p>		
		

