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IAPMO Code Change Monographs Now Available

IAPMO[®] has made the 2019 *Uniform Plumbing Code (UPC[®])* and *Uniform Mechanical Code (UMC[®])* Technical Committee Meeting Monographs available for download.

All individuals anticipating an active role in the ANSI-accredited consensus development of the Uniform Codes at the Technical Committee meetings in Denver, April 29-May 2, will need to download these documents in Adobe PDF format from the following URLs:

[UPC](#)
[UMC](#)

Hardcopy versions will not be available at the meetings.

The Technical Committee Meeting Monographs contain every code change public comment submitted for the 2021 editions of the UPC and UMC as part of the American National Standards Institute (ANSI)-accredited consensus code development process employed by IAPMO.

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ASSE International Calls for Scald Awareness Task Group Members

The ASSE International Scald Awareness Task Group is now accepting applications as it reforms to develop a new white paper concerning recommended installation practices for residential tankless/on-demand water heaters to reduce the danger of scalds.

This new white paper will be a companion piece to the group's latest white paper, *Recommended Installation Practices for Residential Storage Type Water Heaters to Reduce the Danger of Scalds*. The task group has also published four previous publications: *Guidelines for Temperature Control Devices in Domestic Hot Water Systems*, *Adjustment of Automatic Compensating Valves to Prevent Potential Scald Hazards*, *Understanding Potential Water Heater Scald Hazards*, and *Scald Hazards Associated with Low-Flow Showerheads*.

[\[Read more\]](#)

Related: [ASSE International Publishes Fifth Scald Awareness White Paper](#)

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Community Plumbing Challenge, Navajo Nation

The next installment of the Community Plumbing Challenge, Navajo Nation program will focus on delivering running water and safe wastewater disposal to a series of family homes across the Navajo Mountain chapter. This project will support DigDeep's newest community outreach, across this remote region of the Navajo reservation that straddles the Arizona-Utah state border.

This project will commence the week of June 3, 2019. Applications for the project remain open: [register your interest today](#), and a member of our team will be in contact!

[More details here](#)

Read more about the IWSH Foundation's projects in their latest newsletter: http://forms.iapmo.org/email_marketing/iwsh/IWSH_PR_2019.htm

[Join](#) the IWSH mailing list to be notified of upcoming projects and ways you can be involved.

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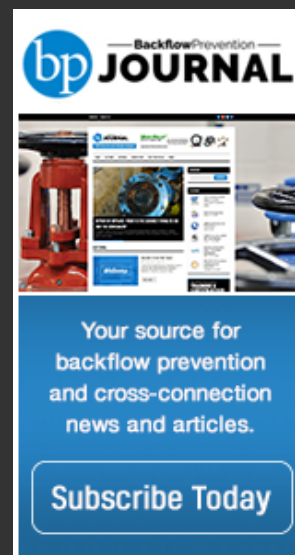
Making Lead Pipes Safe

Lead leaching from pipes into the water supply is a serious public health concern. And if water sources or treatment regimens are changed, the new chemistry can cause water distribution systems that were previously safe to begin releasing toxic lead, as the crisis in Flint, Michigan, demonstrated a few years ago. Today, scientists will describe a cost-effective and quick method that could overcome these problems and make lead pipes safe for carrying drinking water.

The researchers presented their results on April 3 at the American Chemical Society (ACS) Spring 2019 National Meeting & Exposition.

"More than 18 million people in the U.S. are currently at risk of developing health problems from lead leaching from pipes in their water distribution systems," says Gabriel Lobo, a doctoral student who is presenting the work at the meeting. Lead poisoning in young children can cause a broad range of symptoms, including brain

of the many benefits available to members of IAPMO, which include substantial discounts on most IAPMO publications and educational programs, the opportunity to update and improve the UPC and UMC, participation in local IAPMO chapters and an invitation to attend IAPMO's Annual Education and Business Conference. The conference offers superb educational seminars. Find out more at www.iapmo.org.



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(UMC)

2018
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PLUMBING
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damage, learning difficulties, and slowed growth and development. Adult exposure can cause high blood pressure, memory difficulties, miscarriages and other conditions.

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IAPMO Seeks Technical Correlating Committee Members

IAPMO is seeking volunteers to participate on the Technical Correlating Committee (TCC) to work toward the correlation of the 2021 editions of the *Uniform Swimming Pool, Spa, and Hot Tub Code*[®] (USPSHTC) and *Uniform Solar, Hydraulics & Geothermal Code*[™] (USHGC). The deadline to submit an application is May 3.

Members are being sought in the following categories: manufacturer, user, installer/maintainer, labor, research/standards/testing laboratory, enforcing authority, consumer, and special expert. This committee is being assembled in accordance with the Regulations Governing Consensus Development of the USPSHTC and USHGC.

[\[Read more\]](#)

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March Construction Starts Surge 16 Percent

New construction starts in March advanced 16% from the previous month to a seasonally adjusted annual rate of \$809.2 billion, according to Dodge Data & Analytics. The substantial gain followed a lackluster performance during the first two months of 2019, as total construction starts in March were able to climb back to a level slightly above the average monthly pace during 2018. The nonbuilding construction sector, comprised of public works and electric utilities/gas plants, jumped 40% in March from a weak February, lifted by the start of a \$4.3 billion liquefied natural gas (LNG) export terminal in Cameron LA. Nonresidential building increased 24% in March, aided by groundbreaking for several large projects. These included the \$1.6 billion Toyota-Mazda automotive manufacturing facility in Huntsville AL, a \$1.1 billion hotel and theater redevelopment in New York NY, and the \$850 million renovation of the KeyArena in Seattle WA. In contrast, residential building slipped 3% in March, as multifamily housing retreated for the second consecutive month. During the first three months of 2019, total construction starts on an unadjusted basis were \$164.5 billion, down 10% from the same period a year ago. On a twelve-month moving total basis, total construction starts for the twelve months ending March 2019 essentially matched the corresponding amount for the twelve months ending March 2018.

Read more: <https://www.construction.com/news/march-construction-starts-surge-16-percent-apr-2019>

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Virginia Polytechnic Institute and State University Team Grand Winner at Solar Decathlon Design Challenge

The U.S. Department of Energy (DOE) announced winners of its Solar Decathlon[®] Design Challenge, comprising 10 contests, in which student teams design highly efficient and innovative buildings powered by renewable energy.

"We applaud these students who are integrating building science with great design to showcase the tremendous potential of these high-performance buildings to save



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Americans on energy costs," said Steve Chalk, Deputy Assistant Secretary for Energy Efficiency in the Office of Energy Efficiency and Renewable Energy (EERE). "Solar Decathlon Design Challenge brings student ingenuity together with DOE technical resources and industry leader perspectives to prepare students to unlock these savings in their future careers as architects, engineers, and other building professionals."

The **Design Challenge** was held at the National Renewable Energy Laboratory in Golden, Colorado, April 12–14, 2019. The winners are teams that best blend architectural and engineering excellence with innovation, market potential, building efficiency, and smart energy production. Design Challenge Weekend brought together jurors, sponsors, and student teams for interim competitions of the **Build Challenge** and **JUMP into STEM** as well, other DOE building science competitions complimentary to the Design Challenge. The juror panels included leading high-performance home builders, architects, building science professionals, building product manufacturer experts, and research scientists.

Read more: <https://www.energy.gov/eere/articles/virginia-polytechnic-institute-and-state-university-team-grand-winner-solar-decathlon>

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EPA Seeks Public Input for Development of National Water Reuse Action Plan

The U.S. Environmental Protection Agency (EPA) is seeking public input on the development of an action plan to accelerate the application of water reuse as a safe, reliable, and sustainable way to meet the country's current and future water demands.

"To meet the country's most pressing water resources challenges, EPA recognizes the need for coordinated federal leadership," said David Ross, U.S. EPA's assistant administrator for the Office of Water. "Working with our federal partners, we are looking to tap the expertise of our nation's farmers, utilities, industry, NGOs, scientists, and others to craft a Water Reuse Action Plan that helps our country better prepare for current and future water challenges and meet the water needs of generations to come."

To facilitate public input on the Water Reuse Action Plan, EPA released a Discussion Framework for Development of a Draft Water Reuse Action Plan (Discussion Framework) which provides helpful background, context, and details on considerations the Water Reuse Action Plan could address. EPA invites ideas and input on all aspects of water reuse, including but not limited to:

- Specific actions that can be taken now and in the future by federal agencies, states, tribes, local governments, water utilities, industry, agriculture, and others;
- Key relevant sources of information, such as literature, about water reuse, not already identified in the Discussion Framework;
- Examples of water reuse, both past and future, which demonstrate opportunities and barriers;
- Concepts for applying water reuse strategies within integrated water resources management planning; and,
- Ways water reuse can improve water resiliency, security and sustainability through a more diverse water portfolio.

EPA will accept public input for the draft Water Reuse Action Plan through July 1, 2019, online via www.regulations.gov using Docket ID No. EPA-HQ-OW-2019-0174. After consideration of the input received, EPA will release a draft Water Reuse Action Plan for public comment in conjunction with the 2019 WaterReuse Symposium in San Diego, Calif.

Read more: <https://www.epa.gov/newsreleases/epa-seeks-public-input-development-national-water-reuse-action-plan>

IWSH Foundation Invites Submissions to 2019 Scholarship Essay Competition

The International Water, Sanitation and Hygiene Foundation (IWSH), a bridge for the international water, sanitation, and hygiene community with specific focus on the role of the plumbing industry in community collaborations and educational exchange, has announced the topic for its 2019 [Scholarship Essay Competition](#):

"What can IWSH do to improve sanitation and provide clean water for those who lack access to a plumbing system?"

The competition, originally an IAPMO initiative and now entering its tenth year, will again award monetary scholarships to three students and/or trade apprentices with an interest in how the plumbing and mechanical industry can create and promote positive change both here and abroad.

"This year's topic simply gets right to the heart of the IWSH mission," said IWSH Chairman Dan Daniels. "Lack of adequate drinking water and effective sanitation continues to be the most pressing issues facing human beings across the planet, and our foundation is committed to exploring every available option to alleviate these concerns and assure good health for those most in need."

Read more:

www.iapmonline.org/Documents/archive/20190304_IWSH_Scholarship_Essay.aspx

SWWW Magazine: Plumbing Engineers Need to be Aware of what 'Good Plumbing' is About...

Smart Water & Waste World (SWWW) Magazine recently sat down with B.S.A. Narayan and discusses his journey, the activities, and programs of IPA, and emerging concepts of 'Green Plumbing'.

Narayan is one of the founder members and current National Vice President of the Indian Plumbing Association (IPA), Director at the World Plumbing Council (WPC), and Managing Director of Maple Engg-Design Services (India) Pvt Ltd. In his 43 years long career so far, he has designed many plumbing, fire protection and industrial piping systems including water and sewage treatment plants, central LPG systems for hotels, hospitals, factory complexes, software buildings & parks, and commercial buildings in coordination with reputed Indian and multinational architects and developers.

Below is an excerpt from the article:

Q. Please tell us about the highlights and achievements of Indian Plumbing Association (IPA) in past few years.

Mr. Narayan: IPA has about 19 chapters all over India with about 4000 members. IPA has developed many plumbing codes which help engineers do plumbing installations as per international practices. Some of these codes are: India's first Uniform Plumbing Code - UIPC-I (which is followed by many plumbing engineers for plumbing installation that safeguard public health. This code is also referred to by National Building Code 2017); then there is Swimming Pool Code, and also Water-Efficient Products India Code - WEP-I (it rates plumbing fixtures with star ratings to indicate efficiency of the product with respect to water consumption. CII's Indian Green Building Council has agreed to adopt WEP-I in all 'green' buildings being certified by them), while Uniform Solar Energy Code India (USEC-I) is a comprehensive and

revolutionary document intended to both standardize the safe and sustainable residential and commercial solar energy and water heating systems.

IPA has also started a world class 'Plumbing Lab' at Pune. The lab demonstrates examples of correct and incorrect plumbing. At this lab, one can see various piping systems and watch the actual flow of water in pipes, etc.

IPA regularly holds exhibitions on plumbing products and services. This helps engineers become aware of the latest plumbing technology. Our last exhibition was held at Nehru Centre, Mumbai on October 26-28, 2018. IPA regularly holds national-level plumbing conferences. In its latest edition - 25th Indian Plumbing Conference, Hardip Singh Puri (Union Minister of State, Ministry of Housing & Urban Affairs) was the Chief Guest. The conference was also attended by Chairman, World Plumbing Council (WPC), and Directors of WPC.

Technical seminars are also held in every few months by individual chapters all over India which our members can attend free-of-cost and learn about new plumbing products and systems.

To read the full interview, [download the article here \(PDF\)](#).



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Industry Calendar

2019 UPC and UMC Technical Meetings
 April 29-May 2, 2019
 Denver, CO
www.iapmo.org

IAPMO 90th Annual Education and Business Conference / 2019 ASSE International Annual Meeting
 September 22 - 26, 2019
 Reno, NV
www.iapmo.org

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CONNECT 2019
 Oct. 2-4, 2019
 Indianapolis, IN
www.phccweb.org/event/connect-2019/

Upcoming Seminars

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ALASKA ONLINE SEMINARS		
July 26, 2019	Juneau, AK	2015 IMC Essentials Workshop
July 27, 2019	Juneau, AK	2015 UPC Essentials Workshop
ARIZONA SEMINARS		
May 6-10, 2019	Phoenix, AZ	ASSE 5130 Backflow Prevention Assembly Repairer Training and Certification Examination Class
May 11 & 18, 2019	Tempe & Phoenix, AZ	ASSE 5110 Cross Connection Control Recertification - 12 Hr Course and Exam
June 10-15, 2019	Phoenix, AZ	ASSE 5110 Backflow Tester 40 Hour Class and Exam

June 22 & 29, 2019	Tempe & Phoenix, AZ	ASSE 5110 Cross Connection Control Recertification - 12 Hr Course and Exam
CALIFORNIA SEMINARS		
May 6–10, 2019	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
May 10, 2019	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
July 18, 2019	Ontario, CA	2016 California Plumbing Code Changes
July 19, 2019	Ontario, CA	2016 California Mechanical Code Changes
COLORADO SEMINARS		
May 13-17, 2019	Longmont, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
May 16-17, 2019	Longmont, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
June 13-14, 2019	Longmont, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
June 20-21, 2019	Colorado Springs, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course & Exam
IDAHO ONLINE SEMINARS		
IOWA ONLINE SEMINARS		
LOUISIANA SEMINARS		
June 9, 2019	Metairie, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
June 10-14, 2019	Baton Rouge, LA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 14, 2019	Baton Rouge, LA	ASSE 5110 Cross Connection Control Recertification - 8 hr course / WSPS Conversion Class
MASSACHUSETTS SEMINARS		
Session 11 Training now available - click here for the schedule!		
MINNESOTA SEMINARS		
April 29, 2019 - May 3, 2019	Anoka, MN	ASSE 5110 Backflow Tester 40 Hour Class and Exam
May 21, 2019	Minneapolis, MN	Backflow Prevention & Cross-Connection Regulation
NEW JERSEY SEMINARS		
October 7-11, 2019	Pennsauken, NJ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
October 11, 2019	Pennsauken, NJ	ASSE 5110 Cross Connection Control Recertification - 8 hr course and Exam
PENNSYLVANIA SEMINARS		
June 17-21, 2019	Scranton, PA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 21, 2019	Scranton, PA	ASSE 5110 Cross Connection Control Recertification - 8 hr course and Exam
SOUTH DAKOTA SEMINARS		
Click Here to Find a Class		
WISCONSIN SEMINARS		
June 3-7, 2019	Appleton, WI	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 7, 2019	Appleton, WI	ASSE 5110 Cross Connection Control Recertification - 8 hr Course and Exam
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jurisdictions. Contact the IAPMO Training staff to register at 1-877-427-6601, or go to our website <http://www.iapmo.org/Pages/Seminar.aspx> to register online. New training dates are added periodically!



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