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## **Dr. Peter Williams to Deliver Keynote Address at Sixth Emerging Water Technology Symposium**

Dr. Peter Williams, IBM Distinguished Engineer and Smart Cities and Resilience Lead, will provide the keynote discussion at the sixth Emerging Water and Technology Symposium (EWTS), the event's co-conveners and industry partners are proud to announce. The symposium, which provides a platform for plumbers, contractors,

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engineers, manufacturers, and water efficiency experts to introduce new technologies for the plumbing and mechanical industries, and to discuss emerging trends, challenges and opportunities important to anyone who cares about how water is used in the built environment, will take place May 15-16 in Ontario, Calif.

Williams has played a major role in the development and delivery of IBM's smart cities, water management, and resilience solutions. He has worked with organizations as diverse as the UN and EU, numerous city, state, and local governments, and many public utilities on these issues. He co-wrote the UN's City Disaster Resilience Scorecard, used by about 40 cities globally, and now scheduled to be used by an additional 200.

By background a strategy and change consultant, Williams has spent his career at the intersection of technology and strategy, and currently focuses on issues including the role of the Internet of Things, artificial intelligence, and block-chains in city and utility operations.

In addition to Williams' keynote, the EWTS will provide presentations and discussions on today's most pressing water related issues. Attendees will hear updates on the status of research activities and mitigation strategies for legionella and other opportunistic pathogens in water distribution and premise plumbing systems; discussions on the unintended consequences of water efficiency that threaten water quality and water system efficacy; the development of a new international ISO standard for the labeling of water efficient products and how the standard will work with existing labeling programs; new technologies and information on water reuse and alternate water sources; an exploration of the water and energy nexus; a wonderful demonstration on how young students in California are thinking about and working toward solutions for our global water problems; and much more.

The EWTS is co-convened by the Alliance for Water Efficiency (AWE), The American Society of Plumbing Engineers (ASPE), the International Association of Plumbing and Mechanical Officials (IAPMO) and the Plumbing Manufacturers International (PMI).

Additional information and details on how to register for the symposium can be found online at <http://www.iapmo.org/Pages/EmergingWaterTechnologySymposium.aspx>.

Attendees are advised to register early as this symposium will sell out. The early bird rate of \$495 ends on March 15. Prior presentations and a series of videos from the previous five symposiums are available for viewing online at <http://www.youtube.com/user/IAPMOGroup>.



## OFFICIAL MAGAZINE



### NOW AVAILABLE ONLINE!

A subscription to Official is just one 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](http://www.iapmo.org).

Further details on the EWTS program are forthcoming. Please direct questions to Maria Bazan at (708) 995-3000.

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## **ANSI Appoints IAPMO's Chaney as New Chairman**

IAPMO is delighted to announce that CEO GP Russ Chaney has been elected to serve as chairman of the American National Standards Institute (ANSI) Board of Directors. His one-year term began Monday, Jan. 1.

ANSI is a private, nonprofit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system. Founded in 1918, ANSI works in close collaboration with stakeholders from industry and government to identify and develop standards- and conformance-based solutions to national and global priorities.

Chaney joined ANSI's board in 2009 as a director-at-large and served two three-year terms from 2009 to 2014 before becoming an officer/vice chair in 2015. Chaney is eligible to serve three one-year terms as chairman of ANSI's Board of Directors.

Chaney has served on numerous ANSI committees and board task groups, including three years as chairman of the Finance Committee. He also has served on the Presidential Advisory Committee; ANSI's three Regional Standing Committees; the National and International Policy Committees; and the Nominating Committee.

"It's a privilege to have been selected by my peers and the ANSI Board of Directors, and I am committed to ANSI's vision," Chaney said. "I will do everything I can to further the best interests of the American National Standards Institute. ANSI is a truly impressive organization, and over the years I've gained a great deal of respect and admiration for the professional staff that ANSI President and CEO Joe Bhatia leads. I look forward to continuing my service as a volunteer in support of the American National Standards Institute and its voluntary consensus system."

Read more:

[www.iapmonline.org/Documents/archive/20180101\\_Chaney\\_Chairs\\_ANSI.aspx](http://www.iapmonline.org/Documents/archive/20180101_Chaney_Chairs_ANSI.aspx)

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## **IAPMO Standards Council Releases 2018 UPC, UMC**



The International Association of Plumbing and Mechanical Officials (IAPMO®) Standards Council has issued the 2018 editions of the *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)*, each designated as American National Standards for the sixth time.

Developed by IAPMO using a three-year consensus process accredited by the American National Standards Institute (ANSI), the new codebooks will be available for purchase in both hardcopy and digital format through IAPMO in mid-January.

IAPMO was granted Audited Designator Status by ANSI in September 2011, enabling the 91-year-old code development body to self-designate the UPC and UMC as American National Standards (ANS) and forgo approval by the ANSI Board of Standards Review. This marks the second time these codes have been designated in this manner.

ANSI accreditation signifies that the procedures used by standards setting organizations such as IAPMO meet the Institute's requirements for openness, balance, consensus and due process. This process brings together volunteers representing a variety of viewpoints and interests to achieve consensus on plumbing and mechanical practices. The *UPC* and *UMC* are the only plumbing and mechanical codes of practice to hold the designation of American National Standards.

Read more:

[www.iapmonline.org/Documents/archive/20180108\\_2018\\_UPC\\_UMC.aspx](http://www.iapmonline.org/Documents/archive/20180108_2018_UPC_UMC.aspx)

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### **Ministry of Industry Appoints PT. IAPMO Group Indonesia as Conformity Assessment Body for SNI 03-0797-2006 Seated Water Closet Standard**

The Republic of Indonesia Ministry of Industry has officially appointed PT. IAPMO Group Indonesia as a Conformity Assessment Body with the capabilities of Product Certifier and Testing Laboratory for SNI certification of the SNI 03-0797-2006 Seated Water Closet Standard. This appointment is based on Minister of Industry Decree No. 44 Year 2017.

The official appointment means that PT. IAPMO Group Indonesia is able to offer testing and certification to SNI 03-0797-2006 for domestic and overseas manufacturers of seated water closets. Because PT. IAPMO Group Indonesia conducts testing at its own facility, manufacturers are assured a faster lead time when it comes to

certification. PT. IAPMO Group Indonesia is the only privately owned testing laboratory for SNI 03-0797-2006 in Indonesia.

"We truly appreciate the trust that the Ministry of Industry has given to IAPMO as a Conformity Assessment Body for the SNI 03-0797-2006 standard, which also marks an important milestone for IAPMO in Indonesia," said Shirley Dewi, Senior Vice President of PT. IAPMO Group Indonesia. "Through this appointment, we look forward to assisting the plumbing industry in bringing quality seated water closet products to the marketplace more quickly."

IAPMO's certification marks of conformity carry the organization's more than 70-year reputation for integrity and accountability. For more details about PT. IAPMO Group Indonesia's services, please visit [www.iapmoindonesia.org](http://www.iapmoindonesia.org).

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### **Baltimore CBP Seizes \$1M in Counterfeit Stainless Steel Sinks**

*U.S. Customs and Border Patrol see value in protecting the value of the UPC mark of conformity. Their diligence helps prevent counterfeit marked products from entering the marketplace.*

U.S. Customs and Border Protection (CBP) officers seized 2,990 stainless steel sinks, that if authentic would have an MSRP of more than \$1 million, for displaying a counterfeit UPC shield design Wednesday in Baltimore.

The shipment of sinks arrived from Malaysia and was destined to an address in Maryland. CBP examined the shipment for Anti-Dumping and Countervailing Duties enforcement. During that examination, CBP officers discovered the UPC shield logo.

CBP officers and Intellectual Property Rights (IPR) specialists verified the authenticity of the UPC shield logo with the International Association of Plumbing and Mechanical Officials, the registered trademark holder, who determined the use of the logo to be unauthorized.

CBP seized the entire shipment of sinks as counterfeit for using registered markings without trademark holder's authorization (19 CFR 133.21).

If authentic, the stainless steel sinks would have had a manufacturer suggested retail price (MSRP) of about \$1.1 million.

Read the full article: [www.cbp.gov/newsroom/local-media-release/baltimore-cbp-seizes-1m-counterfeit-stainless-steel-sinks](http://www.cbp.gov/newsroom/local-media-release/baltimore-cbp-seizes-1m-counterfeit-stainless-steel-sinks)

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## **IAPMO R&T, R&T Lab, EGS, UES, IBT Enjoy Successful Showing at KBIS 2018, IBS Shows**

IAPMO R&T, North America's premier third-party certification body for plumbing and mechanical products, IAPMO R&T Lab and IAPMO EGS last week completed a successful showing at the 2018 Kitchen and Bath Industry Show in Orlando, Fla., one of the largest trade events in the United States bringing together kitchen and bath dealers, designers, architects, remodelers, wholesalers and custom builders for residential and commercial kitchens and bathrooms. IAPMO R&T, Uniform Evaluation Services (UES), and the IAPMO Institute of Building Technology (IBT), represented The IAPMO Group at the NAHB International Builders' Show (IBS), which was co-located with KBIS at Orlando's Orange County Convention Center.

The IAPMO Group demonstrated its comprehensive menu of services to more than 600 leading brands in the kitchen and bath industry, including 100 new companies. More than 85,000 visitors attended the two shows, participating in more than 150 education sessions. IBS exhibits represented more than 1,500 manufacturers and suppliers.

Read more:

[www.iapmonline.org/Documents/archive/20180122\\_2018\\_KBIS\\_IBS.aspx](http://www.iapmonline.org/Documents/archive/20180122_2018_KBIS_IBS.aspx)

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## **Microbes May Help Astronauts Transform Human Waste into Food**

Human waste may one day be a valuable resource for astronauts on deep-space missions. Now, a Penn State research team has shown that it is possible to rapidly break down solid and liquid waste to grow food with a series of microbial reactors, while simultaneously minimizing pathogen growth.

"We envisioned and tested the concept of simultaneously treating astronauts' waste with microbes while producing a biomass that is edible either directly or indirectly depending on safety concerns," said [Christopher House](#), professor of [geosciences](#), Penn State. "It's a little strange, but the concept would be a little bit like Marmite or Vegemite where you're eating a smear of 'microbial goo.'"



The researchers' study addresses multiple challenges facing deep-space missions to Mars or beyond, which would likely take months or years. Bringing enough food from Earth takes up volume and increases the mass and fuel cost of the spacecraft, while growing food in route using hydroponic or other methods would be an energy- and water-intensive process that takes up valuable room.

Read the full story: <http://news.psu.edu/story/502406/2018/01/25/microbes-may-help-astronauts-transform-human-waste-food>

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## **State Adopts Washington's First Reclaimed Water Rule**

Even in rainy Washington, water is a precious commodity. Agriculture, industry and our communities all depend on sufficient, stable supplies of water. As our state's population and economy grows, finding ways to conserve water is becoming more important. A new rule from the Washington Department of Ecology will streamline the process for reclaiming water.

The rule requires that reclaimed water projects protect public health and water quality. Reclaimed water can be used for irrigation, landscaping, flushing toilets, improving wetlands or stream flows, recharging groundwater and other beneficial uses. It addresses all aspects of reclaimed water; including permitting for generating, distributing and using reclaimed water across the state.

Reclaiming water uses advanced technologies to remove pathogens and contaminants from wastewater so that it is safe to be used again. Reclaimed water is a key component of managing Washington waters wisely and protecting our state's resources for future generations. The use of reclaimed water preserves Washington's drinking water, and helps reduce the discharge of wastewater to the state's lakes, rivers and Puget Sound. It can also help our state prepare for impacts from climate change.

"We're proud of the effort that has led to this new rule," said Ecology Director Maia Bellon. "Reclaiming water can help Washington communities prepare for and recover from droughts. By expanding options for reclaimed water use, we can help Washington communities use the right water for the right use."

This rule will become effective on Feb. 23, 2018.

Read the full release: <https://ecology.wa.gov/About-us/Get-to-know-us/News/2018/Jan-24-State-adopts-first-reclaimed-water-rule>

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## New Construction Starts in December Rebound 12 Percent; Annual Total for 2017 Advances 3 Percent to \$745.9 Billion

New construction starts in December climbed 12% to a seasonally adjusted annual rate of \$733.3 billion, bouncing back following November's 12% decline, according to Dodge Data & Analytics. December's gain for total construction reflected varied improvement by each of the three main construction sectors. Nonbuilding construction (public works and electric utilities/gas plants) jumped 43%, lifted by the start of the \$2.3 billion I-66 Corridor Improvements Project in northern Virginia. Nonresidential building rose 10%, aided by the start of two large data center projects, while residential building edged up 1%. For all of 2017, total construction starts grew 3% to \$745.9 billion, which followed the 6% increase reported for 2016. The full year 2017 gain was dampened by a 35% downturn for the electric utility/gas plant category. If electric utilities and gas plants are excluded, total construction starts for 2017 would be 5% higher than the corresponding amount for 2016.

Read the full press release: <https://www.construction.com/news/new-construction-starts-december-rebound-12-percent-total-2017-advances-3-percent-745.9-billion-jan-2018>

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## Industry Calendar

**World Plumbing Day**  
March 11, 2018  
[www.worldplumbing.org](http://www.worldplumbing.org)

**ASSE International 2018 Mid-Year Meeting**  
April 10-11, 2018  
Mokena, IL  
[www.asse-plumbing.org](http://www.asse-plumbing.org)

**Emerging Water Technology Symposium**  
May 15-16, 2018  
Ontario, CA  
[www.iapmo.org](http://www.iapmo.org)

**WaterSmart Innovations  
Conference and Exposition**  
October 3-5, 2018  
Las Vegas, NV  
[www.watersmartinnovations.com/](http://www.watersmartinnovations.com/)

## Upcoming Seminars

Earn your Continuing Education with IAPMO training.

ARIZONA SEMINARS		
February 12-16, 2018	Phoenix, AZ	<a href="#">ASSE 5110 Backflow Tester 40 Hour Class and Exam</a>
February 16, 2018	Phoenix, AZ	<a href="#">Cross Connection Control Recertification - 8 hr Course and Exam</a>
March 19-23, 2018	Phoenix, AZ	<a href="#">ASSE 5110 Backflow Tester 40 Hour Class and Exam</a>
March 23, 2018	Phoenix, AZ	<a href="#">Cross Connection Control Recertification - 8 hr Course and Exam</a>



<b>CALIFORNIA SEMINARS</b>		
March 5-9, 2018	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
March 9, 2018	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
April 16-20, 2018	Ontario, CA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
April 20, 2018	Ontario, CA	Cross Connection Control Recertification - 8 hr Course and Exam
<b>COLORADO SEMINARS</b>		
March 12-16, 2018	Montrose, CO	ASSE 5110 Backflow Tester 40 Hour Class and Exam
March 15-16, 2018	Montrose, CO	ASSE 5110 Cross Connection Control Recertification - 12 hr Course and Exam
<b>FLORIDA SEMINARS</b>		
March 10, 2018	Pompano Beach, FL	ASSE Cross Connection Control Recertification - 8 hr course and Exam
<b>LOUISIANA SEMINARS</b>		
June 25-29, 2018	Baton Rouge, LA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 29, 2018	Baton Rouge, LA	ASSE Recertification / LA Conversion - 8 hour Course and Exam - PHCC Member
<b>MASSACHUSETTS SEMINARS</b>		
<b>Session 10 Training now available - <a href="#">click here for the schedule!</a></b>		
<b>MINNESOTA SEMINARS</b>		
2015 Code Overview Featuring Emerging Technology		
February 26-March 2, 2018	Anoka, MN	ASSE 5110 Backflow Tester 40 Hour Class and Exam
March 2, 2018	Anoka, MN	ASSE Cross Connection Control Recertification - 8 hr Course and Exam
<b>NEW JERSEY SEMINARS</b>		
May 7-11, 2018	Pennsauken, NJ	ASSE 5110 Backflow Tester 40 Hour Class and Exam
May 11, 2018	Pennsauken, NJ	ASSE Cross Connection Control Recertification - 8 hr Course and Exam
<b>PENNSYLVANIA SEMINARS</b>		
June 11-15, 2018	Scranton, PA	ASSE 5110 Backflow Tester 40 Hour Class and Exam
June 15, 2018	Scranton, PA	ASSE Cross Connection Control Recertification - 8 hr Course and Exam

**SOUTH DAKOTA SEMINARS**

[Click Here to Find a Class](#)

**VIRGINIA SEMINARS**

March 26-30, 2018	Newport News, VA	<a href="#">ASSE 5110 Backflow Tester 40 Hour Class and Exam</a>
March 30, 2018	Newport News, VA	<a href="#">ASSE Cross Connection Control Recertification - 8 hr Course and Exam</a>
April 23-25, 2018	Chantilly, VA	<a href="#">ASSE Backflow Prevention Assembly Repairer Training and Certification Examination Class</a>

**WISCONSIN SEMINARS**

June 4-8, 2018	Appleton, WI	<a href="#">ASSE 5110 Backflow Tester 40 Hour Class and Exam</a>
June 8, 2018	Appleton, WI	<a href="#">ASSE Cross Connection Control Recertification - 8 hr Course and Exam</a>

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 <http://www.iapmo.org/Pages/Seminar.aspx> to register online. New training dates are added periodically!

		
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