



IAPMO'S 92ND EDUCATION AND BUSINESS CONFERENCE

SEPT. 27 - 30 | VIRTUAL



WELCOME MESSAGE

As we navigate our way through what is hopefully the end of a very challenging time for the world, it's important to remember that IAPMO remains essential to public health and safety at all times, both good and difficult. Out of an abundance of caution and consideration for our members' health and convenience, IAPMO will again present this year's annual Education and Business Conference in a virtual format.

With last year's experience under our belt, I have every confidence this year's virtual conference will deliver for both our membership individually and for the association to meet its responsibilities toward continued development of the Uniform Codes.

While we will miss the typical conference experiences of exploring a host city, greeting each other with hugs, and sharing evening outings, we are also excited about the accessibility for so many members who under more normal circumstances would not be able to share any of it with us. Using the virtual format, everybody can benefit from attending the education sessions and business meetings and contribute their voice to code development.

I do hope regardless of whether you're a regular attendee or potential first-timer that you'll log in and participate because it's a great way to meet people from all over the country you would perhaps not otherwise have the opportunity. I recommend taking advantage of this unique time in which we can socialize and learn from each other virtually. I do look forward to the times when we are again meeting face-to-face, however let's not overlook the chance to meet new friends this way.

This organization promotes an appreciation of one another in a special way I don't believe many other organizations do, and the best way to show it is by being active. I hope to see you in September from all over the country and the world!



David M Gans

DAVID GANS
IAPMO PRESIDENT

ROBERT GLENNON

KEYNOTE SPEAKER

SEPTEMBER 27 | 9:30 A.M. PDT

*Internationally Renowned Water Resource Expert,
Best-Selling Author of "Unquenchable"*

Robert Glennon loves the outdoors. From an early age, he crawled over rocks on the Atlantic coast and learned to fish. In his teens and 20s, he developed a love of flyfishing and canoeing on the Allagash Wilderness Waterway in Maine.

When he lived in the Midwest, he learned about the amazing recreational opportunities in Michigan, Wisconsin and Minnesota, especially the flat-water wilderness. After he moved to Arizona, his early love of flyfishing became an obsession. It's taken him to remote areas around the lower 48 and many months in the Alaskan backcountry.

He married the love of his life, Karen Adam, in 2001, and they both love adventures. They have taught in Bangladesh and China, watched in wonder the gorillas in Rwanda, and seakayaked in Alaska's Glacier Bay National Park. Robert's speaking schedule has taken him literally around the globe.

Robert's passion for canoeing transferred to white-water rafting the West's great rivers. He honed his backpacking, climbing, flyfishing, and rafting skills over the last 35 years. In recent years, he's enjoyed quieter and safer outdoors experiences, such as drifting a kayak over a Maine pond at dawn with a flyrod casting a popper, while a loon fishes nearby and a bald eagle eyes the loon as a possible breakfast.



8 a.m. PDT

Welcome

David Gans

Opening Session

Executive Reports

CEO Report

Dave Viola

Awards Presentation

9:30 a.m. PDT

Keynote (0.1 CEUs)

Robert Glennon

1 p.m. – 2 p.m. PDT

2021 UPC Water Heaters (0.1 CEUs)

Presented by John Pint and
Brian Hamner

Coming off the heels of a pandemic which forced our industry to think outside the box and pushed many jurisdictions into performing virtual inspections, we have assembled this presentation to put technology and you to the test once again! Our presenters have gathered a variety of video and photos of water heater installations. Each installation will challenge your code and inspection skills as you have an opportunity to review them and provide live feedback during this session.

3 p.m. – 5 p.m. PDT

Poker Game | Mix and Mingle

Show off your card-playing skills at our virtual event, which will take place on Zoom. Log into the main room, where a host will provide a quick overview of the event. You will then go to breakout rooms in groups of six; each will have a casino table and live dealer. You will play either blackjack or three-card poker for the first hour, and then go to a different room for the other game the second hour. Not familiar with all of the rules? Don't worry, our friendly dealers will readily answer any questions you may have!

The participation fee is \$20; please register by Monday, Sept. 20.

6 p.m. – 7 p.m. PDT

Recruiting Tomorrow's Leaders: Getting Younger Generation Involved in Your Organization (0.1 CEUs)

Presented by [Laura Ceja](#)

Find out what motivates volunteers and incorporate these strategies when recruiting future members of your organization whether its an IAPMO Chapter, volunteer group or discussing a career in the piping trades.

8 a.m. – 12 p.m. PDT

Assembly Consideration Session

6 p.m. – 7 p.m. PDT

Firestop Protection – Verifying Compliance (0.1 CEUs)

Presented by [3M Corporation](#)

This presentation will explore the essential steps of verifying satisfactory code compliance as it applies to manufacturer's installation instructions applied by the installer, construction documents, specifications, and applicable manufacturer's product information related to Firestop Protection.

8 a.m. – 11 a.m. PDT

UPC and UMC Workshops (0.3 CEUs)

Presented by [UPC and UMC Workshop Committees](#)

The UMC & UPC Workshop Committees present an opportunity for participants to test their code knowledge and learn from their peers. During the workshops, participants are placed into virtual groups and are given drawings of installations and asked to determine if the systems and components are in compliance with the applicable 2021 Uniform Code. The findings are then presented to everyone in attendance to determine if they are correct and discuss any code issues discovered in the drawings.

2 p.m. – 3 p.m. PDT

Do Credentials Improve Behavior? The Impact of ASSE 12000 on Compliance of Water Management Teams (0.1 CEUs)

Presented by [Kurt Steenhoek and Dr. Janet E. Stout](#)

To safeguard the experience for building occupants, workers, and employees all building owners need to rely on qualified personnel at every level to make responsible decisions about building operations. What does that mean? Which standard or guideline is relevant to the building systems? Many organizations create language for building owners to follow. The implementation of any standard or guideline requires full understanding of the vocabulary and behavior expectation. This session will offer a path to compliance. ASSE 12000 offers certifications for all stakeholders responsible for all building systems. Everyone on the water management team plays a role. ASSE 12000 verifies and validates the decisions we all make every day that will allow building occupants, workers, and employees to return to their pandemic interrupted lives.

5 p.m. – 6 p.m. PDT

The Proper Selection and Installation of Cross-Connection Control Protection
(0.1 CEUs)

Presented by Sean Cleary

Our cross-connection and backflow protection toolbox is overflowing with backflow methods, devices, and assemblies designed to provide specific types of protection for appliances and fixtures. How do we decide what is the proper protection? Every actual or potential cross-connection should be looked at as a unique situation. We need to determine the hazard presented and the type of backflow that may occur in order to make the correct decision. During this presentation we will look at the selection process and the tools we have available. We will also review installation procedures and common installation mistakes. The protection of our water systems is of vital importance and we need to understand how and why backflow occurs and how to prevent it.

9 a.m. – 10 a.m. PDT

Reinventing the Toilet Initiative (0.1 CEUs)

Presented by Sun Kim, Bill and Melinda Gates Foundation

10:30 a.m. – 12 p.m. PDT

Plumbing is Vital for Global Health –The Ongoing Mission of IWSH (0.2 CEUs)

Presented by IWSH Team

In 2021 and throughout the COVID-19 pandemic, IWSH has continued to drive forward with its partners in the United States and abroad to provide water, sanitation and hygiene services to those most in need. Join this presentation to hear updates from our IWSH team and learn more about our recent efforts in the Navajo Nation, Texas and Alabama, plus, further grassroots community activities in India, South Africa, Rwanda and Zambia.

It's not *what* we do, but it's *why* we do it.

1 p.m. – 2 p.m. PDT

16th Annual Chapter Leadership Summit

By Invitation Only

6 p.m. – 7 p.m. PDT

2021 UMC Fire and Smoke Damper Location, Inspection and Testing for R2 Construction (0.1 CEUs)

Presented by Travis Christensen

This course will review the 2021 UMC code and standards requirements for smoke and fire dampers located in R2 construction. After reviewing, the class will examine and discuss the installation, common mistakes, and testing procedures for this application.



Laura Ceja serves as Special Representative for Training and Outreach with the United Association of Journeymen and Apprentices of the Plumbing and Pipefitting Industry. She began her career as a plumber/pipefitter with UA Local 761 in Burbank, California in 1997. Laura has taught various aspects of the plumbing trade as Training Officer for the City of Los Angeles, instructor for UA Local 761, UCLA Extension and the United Associations' Instructor Training Program. She is a member of IAPMO's Training and Education Committee, former IAPMO board member and recipient of the American Flag Award.



Travis Christensen was born and raised in Woods Cross, Utah. He graduated from Woods Cross High School in 2003, where he received a scholarship from NHBA to Snow College. He graduated with an Associates of Science Degree in Construction Management.

Mr. Christensen began his career working for Erectors West as an ironworker and worked for Gordon Jones Construction as a framer. Following these positions, Mr. Christensen became a superintendent for a custom home builder, Lane Myers Construction. He gained hands-on experience on the entire completion process of multimillion-dollar custom homes during his four years with Lane Myers. He then was hired as a product estimator for Superior Sales and Services. During this time he prepared the cost estimates for product manufacturing and construction projects. He moved on as an inside sales representative for R-Factor. Throughout his time at R-Factor, he was the manager of Customer Service in the office. There he managed supply and demand merchandise for customers and suppliers.

Mr. Christensen is currently a full combination building inspector for Salt Lake City. Along with his day to day responsibilities, he works with several local government agencies and serves on the local Cross Contamination

Committee. His service continues as he is also a member of UAPMO. He also Joined IAPMO in 2016 and has served on the Education and Training Committee. He has played a vital role in making recommendations regarding new and innovative seminars, workshops, institutes, web-based learning, audio conferences, instructional materials, annual conferences and other educational events.

Mr. Christiansen has been married to his wife Jessica for 15 years. They have two beautiful daughters, Harper who is 8 and Avery who is 5. When he is not spending time with his girls, he is an avid hunter and loves all things outdoors such as fishing, camping, and hiking.



Sean Cleary is a licensed master plumber from Scranton, Pennsylvania. Over the course of his 40-year career he has worked in all phases of the cross-connection, plumbing, and mechanical industries. He is a graduate of the United Association Instructor Training Program. Sean is a Past President of ASSE International and served as Chairman of the ASSE Cross-Connection Control Technical Committee for more than 10 years. Sean is employed by the International Association of Plumbing and Mechanical Officials (IAPMO) as the Vice President of Operations for the IAPMO Backflow Prevention Institute. The institute is considered the industry leader in cross-connection control training within the United States and on an international basis. Cleary is the Technical Editor for Backflow Prevention and Plumbing Standards magazine, co-author of the IAPMO Backflow Reference Manual, and has written articles for a number of plumbing and mechanical publications. Cleary also has given presentations on water and cross-connection issues for IAPMO, ASSE, ASPE, NEHA, IA, and a number of state plumbing inspector organizations.

OUR PRESENTERS



Brian Hamner has 25 years of experience in the plumbing trade, he is a Plumbing Inspector for the City of Des Moines, Iowa since 2007, where he performs inspections for the Capital city. He began his career in the trades as a Sprinkler Fitter with a small company for several years before switching to plumbing. In 1996 he started his plumbing career working for several companies where he obtained his Journeymen and Masters Plumbing licenses. He is a certified IAPMO Plumbing Inspector and Plans Examiner, an IAPMO member since 2013, he has served on the UPC Answer and Analysis and Education and Training committee. He has served as the Chairman of the Plumbing, Mechanical, and Fuel gas committee for the Central Iowa Code Consortium, a group of 15 communities that have joined together to adopt codes for the Central Iowa metro area. He currently serves as the Treasurer for the Iowa Chapter of IAPMO.



Dain Hansen, executive vice president of Government Relations, has over 15 years of global policy, philanthropic, nonprofit and international charity experience. Dain began his career living in Australia working with indigenous and immigrant populations. Since that time, Dain worked on Capitol Hill for Senators and Congressmen on domestic and global environmental issues. Dain has worked with USAID, foundations and organizations from the WASH community on projects throughout the globe, including; Southeast Asia, the Middle-East, and Africa. Dain is currently based in Washington, D.C., and works with water-related charities, foundations, domestic and international policy makers, and governmental aid organizations. This engagement is done to further expand and provide assistance to developing nations to increase quality of life through training and vocational programs, standardization and governance in the demand-side water.



Seán Kearney, Managing Director joined The IAPMO Group in 2015, and from that point has overseen development of the international Community Plumbing Challenge (CPC) program, which has grown into the flagship initiative of the IWSH Foundation today. Over the past five years, he has directed projects launched in India, South Africa, Indonesia, and the United States. Kearney worked for WorldSkills Foundation during its start-up period from 2013-15, during which time the CPC concept was established, alongside several other skills showcase projects and sustainability initiatives that lead to further project management experience in countries across Europe, Asia, Africa and South America. He is responsible for strategic and organizational leadership across the IWSH team, and further guidance in the design and delivery of other international programs and partnerships of The IAPMO Group.



Sun Kim is a Senior Program Officer on the Water, Sanitation and Hygiene team at the Bill & Melinda Gates Foundation. He joined the Foundation in 2014 and supports the Foundation's effort to provide access to safely managed sanitation to the 4.5 billion people currently without it. As a member of the Transformative Technology Commercialization team, Sun manages philanthropic investments in the area of international standards, reinvented toilet, omni-processor, and omni-ingestor working with a number of universities, non-profit organizations, and companies.

Before joining the Foundation, Sun was an Associate Technical Fellow at Boeing Commercial Airplanes working for 28 years on pressurized doors structures, mechanisms, and systems design, analysis, build, test, and validation. His areas of focus were safety, certification, reliability, functionality, ease of production, reduced weight, reduced costs, and value to the customer. He was also an Authorized Representative of the U.S. Federal Aviation Administration interfacing with

regulators from the U.S, European Aviation Safety Agency, United Kingdom Civil Aviation Authority, Russian, Chinese, and other national aviation authorities.

Prior to Boeing, Sun worked in the oil fields of the Middle East as a geophysical test engineer for Schlumberger Wireline Services.

Sun was born in Seoul, South Korea, lived in Brunei from the age of 6 to 8, and then moved to Washington state with his family. He graduated from the University of Washington in 1984 with a BS in mechanical engineering.

Sun and his wife have been married for more than 30 years. Their eldest daughter is a dentist. Their son is a strategy analyst at CVS. Their youngest daughter is a 2nd year computer science student at the University of Washington. Besides spending time with family and friends, travelling, and at church, Sun also likes to fish, ski, and hike.



Christopher Lindsay, vice president, IAPMO Government Relations, brings more than a decade of nonprofit and international development experience to IWSH. He began his career serving in the White House, where he played a pivotal role analyzing and reporting trends on the thousands of nonprofits who partner with the government – representing billions of dollars. In this capacity, Lindsay also worked to rebuild the United States’ refugee program in the years following the attacks of Sept. 11, helping populations in the most desperate circumstances. Later, he would work with corporations and high net worth families to structure their philanthropic activities on issues ranging from creating microfinance projects in Peru to rebuilding schools in Haiti following the 2010 earthquake. An outspoken advocate for clean water and sanitation, Lindsay has worked with government ministries in sub-Saharan Africa, Asia and the MENA region to improve governance, develop human capital, and implement the mechanisms necessary to build supply chain capacity.



Randy Lorge, director of Workforce Training and Development for the International Association of Plumbing and Mechanical Officials (IAPMO), has more than 25 years of experience teaching plumbing and plumbing codes both in the United States and internationally in India, South Africa, and Indonesia. Lorge is also the North American IWSH project manager, overseeing the installation of safe water and sanitation systems for those less fortunate in the United States. He has also been involved with the installation of plumbing systems internationally for the past six years with IWSH. In 2018, he was awarded the IAPMO Industry Person of the Year. Lorge is also a master plumber in Wisconsin and Alabama.



John F. Pint is a United Association Plumber from Cedar Rapids, Iowa. He joined Plumbers and Pipe Fitters Local 125 in 2001 and completed his apprenticeship in 2006. Before that he spent 9 years in The United States Army and attained a Bachelor of Technology Degree from The University of Northern Iowa. John worked for several contractors while in the field primarily in hospitals, prisons, and schools. He is ASSE 6050 certified to teach Medical Gas Installation, ASSE 12000, Health and Safety of Construction and Maintenance Personnel, and is an OSHA Outreach Training Instructor. He is currently a full time UA Instructor with Local 125.



Jed Scheuermann is a Master Plumber, with over 40 years' experience and has achieved a Bachelor (Education) degree and Instructor of Pipe Trades Certificate. As an educator, his passion is to effectively share trade knowledge. He is an active member of the IWSH team. Since 1989 Jed participated in numerous humanitarian missions, travelling to nearly 40 countries in the process. Jed is an avid writer & photographer having published many articles.

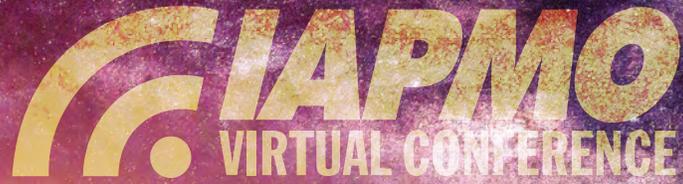


Kurt Steenhoek began his Plumbing career in 1983 and became a Colorado licensed journeyman in 1988. From 1994-2002 Kurt served as UA Local 3 Business Agent-Financial Secretary-Treasurer. Kurt was elected Business Manager in 2002 until his election as UA International Representative in 2016. During his tenure at Local 3, he also held positions on several other industry boards, and committees in the plumbing and mechanical industries.

Mr. Steenhoek is also a past president of the Western States Pipe Trades and a former member of the Board of Directors of the United Association, International Training Fund. Currently, Kurt oversees the UA's Water Quality Program and its Standard for Excellence Program. He is a member of the International Association of Plumbing and Mechanical Officials, a member of the American Society of Sanitation Engineering (ASSE) and the vice-chair of ASSE's Committee for ASSE/IAPMO/ANSI 12000 Series, Professional Qualifications Standard for Infection Control Risk Assessment for All Building Systems.



Dr. Janet E. Stout is president and director of Special Pathogens Laboratory, and research associate professor at the University of Pittsburgh Swanson School of Engineering in the Department of Civil and Environmental Engineering. An infectious disease microbiologist, Dr. Stout is recognized worldwide for seminal discoveries and pioneering research in Legionella. Her expertise includes prevention and control strategies for Legionnaires' disease in building water systems. Dr. Stout's more than 30 years of research is published in peer-reviewed medical and scientific journals. She has also authored textbook chapters on Legionella and Legionnaires' disease, including the Legionella chapter in the APIC Text. An advocate for prevention, Dr. Stout assisted in developing the first Legionella prevention guideline (1993) in the United States, which continues to serve as a model for national and global health agencies and organizations. Additionally, she serves on the ASHRAE Legionella standard committee for Legionella Guideline 12 and the SPC 188 committee for ANSI/ASHRAE Standard 188-2015 Legionellosis: Risk Management for Building Water.

The logo features a stylized Wi-Fi symbol on the left, composed of three curved lines and a central dot, rendered in a golden, textured font. To its right, the letters 'IAPMO' are written in a large, bold, golden, textured font. Below 'IAPMO', the words 'VIRTUAL CONFERENCE' are written in a smaller, white, sans-serif font.

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