

pmi **21** **MANUFACTURING SUCCESS**

PLUMBING MANUFACTURERS INTERNATIONAL CONFERENCE

NOVEMBER 15-18, 2021

PARADISE POINT RESORT - SAN DIEGO, CALIFORNIA



SAN DIEGO



PMI21 CONFERENCE SCHEDULE

Monday, Nov. 15

8:30am-4:30pm	Aspiring Leaders Program (Separate registration)
Noon-3pm	PMI Board of Directors Meeting (Invitation only)
3pm-4pm	PMI Committee Chairs and Board Meeting (Invitation only)
3pm-5pm	Meeting Registration
5:30pm-7pm	Welcome Reception for All Attendees

Tuesday, Nov. 16

9am-10:15am	Opening Remarks; Keynote Presentation by Risha Grant , a leading diversity, inclusion and bias expert. Grant is motivated by her passion to correct "societal 'isms' like racism, sexism, classism and plain old stupidity." She's on a personal mission to expose the subtleties and values of diversity, equity, and inclusion, while shining a light on the impacts they create. Emcee Ted Ma
10:15am-10:30am	Break
10:30am-11:30am	"Planning and Navigating with Assurance," Connor Lokar , speaker and senior forecaster, ITR Economics
11:30am-Noon	"Plumbing Connectivity Protocol - Developing an Ecosystem of Smart & Connected Plumbing Systems," Avi Yurman , co-founder and head of product, reed water
Noon-1:15pm	Lunch
1:15pm-2:15pm	"US Trade Policy in the Biden Administration Era - Update on Tariffs, Exports, and Changes to Buy American for Federal Procurement," Gary Stanley , director, Office of Materials Industries, U.S. Department of Commerce; and Evan Chuck , partner, Crowell & Moring LLP
2:15pm-3pm	Advocacy/Government Affairs Topics with PMI Consultants Jerry Desmond and Stephanie Salmon
3pm-3:15pm	Break
3:15pm-4pm	"EPA Regulation of Antimicrobial Claims for Treated Products: Current Trends & the Impact of the COVID-19 Pandemic," Thomas Brugato , special council, Covington
5pm-8pm	PMI Mini Golf Tournament Reception and Dinner

Wednesday, Nov. 17

9am-10am	Keynote: "Be the One: How Great Leaders Bring Out the Best in Others," Ted Ma , international speaker, author and leadership consultant
10am-10:45am	"Industry and Regulatory Trends in Plumbing Plastics," Domenic DeCaria , technical director, Vinyl Institute

10:45am-11am	Break
11am-Noon	Panel: "How Water Efficiency/Conservation Is Changing in an Era of Growth and Drought" moderated by Troy Benavidez , leader, governmental relations, LIXIL International; and featuring Jacob Atalla , vice president of sustainability initiatives, KB Homes; Veronica Blette , chief, WaterSense Branch, Office of Wastewater Management, EPA; Heather Cooley , research director, Pacific Institute; and Elizabeth Lovsted , water resources manager, San Diego County Water Authority
Noon-1:15pm	Lunch
1:15pm-2:15pm	Streamed live from the Netherlands, Chelsea Wald , author of "Pipe Dreams: The Urgent Global Quest to Transform the Toilet," will share insights on the past and future of toilet systems. The award-winning science journalist will discuss her book and her travels to various countries, such as Italy, South Africa, Indonesia and Haiti in search of a deeper understanding to make toilets accessible and healthier for all.
2:15pm-2:30pm	Break
2:30pm-3:30pm	"Global Supply Chain: Risk Management," David F. Pyke , Ph.D., professor of operations and supply chain management, University of San Diego School of Business
3:30pm-4:15pm	"Shifting U.S. Privacy Regulation: New State Laws Complicate Compliance Efforts," Joan Stewart , attorney at law, Wiley Rein LLP
4:15pm-5pm	67 th Meeting of the Membership (Members only)
5:30pm-8:30pm	PMI Cocktail Reception and Dinner

Thursday, Nov. 18

9am-9:45am	"Key Drivers for Building Water System Energy Efficiency, Water Conservation, and Control of Opportunistic Premise Plumbing Pathogens," Tim Keane , owner, Legionella Risk Management, Inc.
9:45am-10:30am	"Premise Plumbing Modeling: State-of-the-Art Reviews and Challenges," Juneseok Lee , Ph.D., PE, D.WRE, associate professor, civil and environmental engineering, Manhattan College
10:30am-11:15am	"New Studies on Building Water Systems," Andrew Whelton , Ph.D., associate professor of civil engineering and environmental and ecological engineering, Purdue University
11:15am-Noon	"Assessing Risk from Legionella and Waterborne Pathogens in Building Water Systems: What's New?" Janet E. Stout , Ph.D., president and director of Special Pathogens Laboratory, research associate professor, University of Pittsburgh Swanson School of Engineering
Noon	Closing Ceremony for All Attendees

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MEETING AND EVENT LOCATIONS



San Diego's Island Resort

FACILITIES

- Lobby
- Spa & Salon
- Fitness Center
- Island Adventure Hut
- Island Market & Island Grinds
- Observation Tower
- Golf Putting Course
- Tennis & Basketball Courts
- Vacation Isle Kids Club
- Marina & Boat Rentals
- Tidal Beach
- Laundry Room

POOLS

- Lagoon Pool
- Adult Pool
- Meadow Pool
- Waterfall Pool
- Main Pool

RESTAURANTS & BARS

- Tidal
- Barefoot Bar & Grill
- Tropics Cantina

MEETING FACILITIES

- Mission Bay Room & Foyer
- Paradise Ballroom & Foyer
- Sunset Ballroom
- Bay View Room
- Dockside Room
- Garden Room
- Palm Room
- Island Room
- Pacific Room
- Royal Room
- The Director's Room
- The Board Room
- Sunset Pavilion

PMI Board of Directors

Todd Teter, House of Rohl
President

Martin Knieps, Viega LLC
Vice President

Sal Gattone, LIXIL
Secretary-Treasurer

Joel Smith, Kohler Co.
Immediate Past President

Fernando Fernandez, TOTO USA
2020-2021

Daniel Gleiberman, Sloan Valve Co.
2020-2021

Bob Neff, Delta Faucet Company
2021-2022

Chip Way, Lavelle Industries
2021-2022

Strategic Advisory Council

Graham Allen, Sloan Valve Company

Ken Roberts, Delta Faucet Company

Shawn Oldenhoff, Kohler Co.

William Strang, TOTO USA

Claude Theisen, T&S Brass and Bronze Works, Inc.

PMI Staff

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PMI MEMBER COMPANIES

Manufacturing Members

Bradley Corporation
Brasscraft Manufacturing Company
Delta Faucet Company
Dornbracht Americas, Inc.
Duravit USA, Inc.
Elkay
Fisher Manufacturing Company
Fluidmaster, Inc.
Gerber Plumbing Fixtures LLC
Hansgrohe, Inc.
Haws Corporation
KEROX
Kohler Co.
Lavelle Industries, Inc.
LIXIL
Moen Incorporated
NEOPERL, Inc.
Pfister
Reliance Worldwide Corporation
Similor AG
Sloan Valve Company
Sprite
Symmons Industries, Inc.
T&S Brass and Bronze Works, Inc.
TOTO USA
Viega LLC
Water Pik, Inc.
WCM Industries, Inc.

Allied Members

CSA Group
IAPMO
International Codes Council Evaluation Services
(ICC-ES)
NSF International
UL LLC

ANTITRUST COMPLIANCE POLICY

It is and has been the policy of Plumbing Manufacturers International and its members to strictly comply with all laws applicable to Organization activities. Because our Organization's activities involve cooperative undertakings which conceivably could be viewed critically by antitrust enforcement agencies, it is important to emphasize the unswerving commitment of our members and PMI to full compliance with federal and state antitrust laws. This statement is being distributed as a confirmation and reminder of that long-standing commitment and as a general guide to those antitrust principles which have particular significance to our activities and meetings.

This statement is not a summary of the laws applicable to trade association activity. It is intended only to highlight and emphasize the principal antitrust standards which are relevant to PMI programs. The antitrust laws are stated in general terms, and it is frequently difficult to be certain how those laws may be applied. You are, therefore, encouraged to seek the guidance of Organization Legal Counsel and your own attorneys.

Responsibility for Antitrust Compliance

PMI's structure has been fashioned and its programs are carried out in conformance with antitrust standards. Paramount responsibility for antitrust compliance which includes avoidance of even an appearance of improper activities is yours. Your corporate employer and this Organization depend on your good judgment to avoid all discussions and activities which involve improper subject matter or improper procedures. It is your responsibility to limit your discussions and activities to matters identified on the agenda. Our staff members work conscientiously to avoid subject matter or discussion which may have unintended implications, and counsel for the Organization provides guidance with regard to these matters. It is important for you to realize, however, that the competitive significance of particular conduct and communication probably is most readily evident to you, who are directly involved in the industry.

Antitrust Guides

These guides deal specifically only with the federal antitrust laws which have most direct relevance to your Organization activities; but compliance with the federal laws will normally ensure compliance with state laws. The principal relevant statutes are the Sherman Act, which is enforced primarily by the Antitrust Division of the United States Department of Justice, and the Federal Trade Commission Act, which is enforced by the Bureau of Competition of the Federal Trade Commission. Penalties for violating the antitrust laws are severe. Corporations are subject to heavy fines and injunctive decrees which can have far-ranging impact on corporate activities, and may be liable for substantial damage judgments. Individuals are subject to criminal prosecution, and may be punished by fines and imprisonment. In general, the antitrust laws seek to preserve free and open competition in the United States and in commerce with foreign countries. Competitors may not restrain competition among themselves with reference to the price, the quality or the distribution of their products, and they may not agree or act together to restrict the competitive capabilities or opportunities of other competitors, their supplies, or their customers. In all trade associations you should heed the following guidelines:

Prices

Prices, discounts or other terms of sale must never be discussed at PMI meetings.

Other Competitive Information

Communication or exchange of confidential competitive information of other kinds may also be improper, and PMI imposes safeguards to prevent inappropriate disclosures. For example, when composite statistical information is compiled and published, the Organization reports are made for proper uses and purposes only, and represent an aggregation of historical data from its members; and individual member's data is not disclosed to other members or to those outside the Organization.

ANTITRUST COMPLIANCE POLICY (CONTINUED)

Meetings

PMI meetings are carefully structured and monitored. Agendas for all meetings are prepared, approved by legal counsel and circulated in advance. They are carefully followed at the meeting. A PMI staff member attends all PMI meetings and is responsible for preparing the minutes of each meeting. PMI legal counsel attends all Organization membership meetings, Board meetings and other Organization meetings at which sensitive issues are discussed and legal counsel reviews the minutes of all meetings. There are no informal meetings of the Organization or any of its committees. Discussion of legally sensitive matters must never occur outside of formal meetings, such as at social functions, events or otherwise.

Membership and Participation

Membership in PMI is open to all companies who meet the requirements of the Organization's Bylaws. The Organization is constantly seeking to broaden its membership base to include all industry members. Organization meetings are open to all members. Organization publications are available to all members and to non-members for a reasonable charge. Wide membership participation is sought in all PMI programs.

Public Statements

The Organization wishes to insure that its public statements such as those to federal and state

government officials made on behalf of the plumbing industry as well as its press releases and public communications are accurate and complete. To this end, it is important that each Organization member insure that member information and data reported to the Organization is accurate and complete. To the extent that the member assists in developing the PMI position, the member should insure that the reported statement complies with the Organization's policy for accuracy and completeness.

Improper Appearances

Compliance with this policy involves not only the avoidance of antitrust violations, but the avoidance of any behavior which might be so construed. Communications or correspondence must never be conducted in a surreptitious manner or contain language which could be misunderstood. Copies of all Organization-related correspondence should be sent to an appropriate staff member. If any question arises about any PMI activity, you should consult your attorney, PMI staff or PMI Legal Counsel.

Conclusion

The Organization will not knowingly be a party to conduct which restricts in any way a member's freedom to make independent decisions in matters that affect competition or otherwise. You have an important responsibility to make sure that our Organization's activities conform to this standard.

PMI VISION, MISSION & HISTORY

VISION

Safe, responsible plumbing. Always.

MISSION

- To promote the water efficiency, health, safety, quality and environmental sustainability of plumbing products while maximizing consumer choice and value in a fair and open marketplace
- To provide a forum for the exchange of information and industry education
- To represent openly the members' interests and advocate for sound environmental and public health policies in the regulatory/legislative processes
- To enhance the plumbing industry's growth and expansion

HISTORY

Plumbing Manufacturers International (PMI) is the voluntary, not-for-profit association of plumbing product manufacturers. In 2011, PMI launched its current name and identity to reflect its international reach. PMI originally began as the Plumbing Brass Institute. The scope of the organization was expanded in 1975 and the name changed to the Plumbing Manufacturers Institute. In 1998, it was reorganized around focus issues, product groups and standing committees.

DIVERSITY, EQUITY AND INCLUSION

United in Our Journey

Diversity, Equity and Inclusion. They are powerful words to us. They are unyielding principles guiding our organization. We celebrate multiple approaches and points of view. We believe they drive innovation. So, we're creating a culture where difference is valued. We take a holistic approach. We are building our network of people, programs and tools all designed to help our member companies grow. For all of us, it means creating an environment for dialogue (listening, asking questions and respecting answers), having the courage to stand up and speak out and most importantly appreciating one another's fresh perspective and contributions.

Pillars of Our Commitment

- Actively recruit and increase plumbing manufacturers diverse representation in PMI
- Accelerate engagement to drive change
- Invest to bring more value to our member companies

The PMI Board of Directors has adopted the following goals and tactics:

Goal 1: Actively recruit and increase plumbing manufacturers diverse representation in PMI

Tactic 1.1: PMI Board shall assemble a DEI Subcommittee*.

Tactic 1.2: Allocate an annual budget for activities to support diversity, equity, and inclusion in PMI.

Tactic 1.3: Annually review and report efforts to promote diversity, equity, and inclusion in PMI.

Goal 2: Accelerate engagement to drive change

Tactic 2.1: Develop a data system to track PMI member and plumbing product manufacturers community diversity metrics.

Tactic 2.2: Set benchmarks and report on progress towards meeting benchmarks.

Goal 3: Invest to bring more value to our member companies.

Tactic 3.1: Develop and execute a plan to recruit a diverse membership to PMI.

Tactic 3.2: Develop mentoring programs that foster diversity and inclusivity within the plumbing product manufacturers community.

Tactic 3.3: Coordinate annual seminars, workshops, or community-engagement activities on equity, diversity, and inclusion at the PMI Manufacturing Success Conference.

Tactic 3.4: Highlight contributions of a diverse membership to PMI and the plumbing product manufacturers community.

*Board DEI Sub-Committee

Plumbing Manufacturers International Board of Directors has established a Diversity, Equity and Inclusion (DEI) Subcommittee. The DEI Subcommittee will provide the PMI with ideas and advice to create a more diverse membership, encourage an inclusive community, and enhance member benefits for everyone. The DEI Subcommittee is co-chaired by the PMI Vice President and the Immediate Past President.

INDEX OF INDUSTRY ACRONYMS

3TG – Tin, Tungsten, Tantalum, Gold (Dodd-Frank Act)

4MS – Four Member States (UK, France, Germany, Netherlands)

ABA – Architectural Barriers Act

AAC – ANSI Accreditation Committee

ACCA – Air Conditioning Contractors of America

ACIA – American Construction Inspectors Association

ADA – Americans with Disabilities Act

ADAAG – Americans with Disabilities Act Accessibility Guidelines

AEESP – Association of Environmental Engineering and Science Professors

AGA – American Gas Association

AHAM – Association of Home Appliance Manufacturers

AHMA – Association of Hardware Manufacturers Association

AIA – American Institute of Architects

ANSI – American National Standards Institute

ARCSA – American Rainwater Catchment System Association

ASA – American Supply Association

ASHRAE – American Society of Heating, Refrigeration and Air-Conditioning Engineers

ASME – American Society of Mechanical Engineers

ASPE – American Society of Plumbing Engineers

ASSE – American Society of Sanitary Engineering

ASTM International – Formerly American Society of Testing and Materials

ARI – Air Conditioning and Refrigeration Institute

AWE – Alliance for Water Efficiency

AWWA – American Water Works Association

BIM – Building Information Modeling

BMA – Bathroom Manufacturers Association

BMS – Building Management System

BOCA – Building Officials and Code Administrators International

BOMA – Building Owners and Managers Association

BSC – California Building Standards Commission

Btu – British thermal unit

C3 – Comprehensive Consensus Code

CACP – Canadian Advisory Council on Plumbing

CBECS – Commercial Building Energy Consumption Survey

CCBFC – Canadian Commission on Building and Fire Codes

CDA – Copper Development Association

CDPH – California Department of Public Health

CEC – California Energy Commission

CEE – Consortium for Energy Efficiency

CEIR – Comite European de L'Industrie de La Robinetterie European Valve Association)

cfm – Cubic feet per minute

CFR – Code of Federal Regulations

CIE – Commission Internationale de L'Eclairage (International Commission on Illumination)

CIPH – Canadian Institute of Plumbing and Heating

CISPI – Cast Iron Soil Pipe Institute
CLCA – California Landscape Contractors Association
CSA – Formerly Canadian Standards Association
CSI – Construction Specifications Institute
CUWCC – California Urban Water Conservation Council
DOD – Department of Defense
DOE – Department of Energy
DOJ – Department of Justice
DOT – Department of Transportation
EHS – Environmental Health and Safety
EISA – Energy Independence and Security Act
EMS – Energy Management System
EPA – Environmental Protection Agency
EPAc – Energy Policy Act of 1992
EPD – Environmental Product Declaration
FHA – Fair Housing Act
FHAG – Fair Housing Accessibility Guidelines
FTC – Federal Trade Commission
GAMA – Gas Appliance Manufacturers Association
GBI – Green Building Initiative
gpf – Gallons per flush
gpm – Gallons per minute
GPMCS – Green Plumbing and Mechanical Code Supplement
GSA – General Services Administration
GWP – Global warming potential
GWW – Global Water Works
HCD – California Department of Housing and Community Development

HI – Hydraulic Institute
HET – High Efficiency Toilet
HEU – High Efficiency Urinal
HPD – Health Product Declaration
HUD – Housing and Urban Development
HVAC – Heating, ventilation, and air-conditioning
HVAC&R – Heating, ventilation, air-conditioning, and refrigeration
IA – Irrigation Association
IAEI – International Association of Electrical Inspectors
IAHRE – International Association for Hydro-Environment Engineering and Research
IAPMO – International Association of Plumbing and Mechanical Officials
IAPMO ES – IAPMO Evaluation Service
IAPMO R&T – IAPMO Research and Testing
IAPMO T&S – IAPMO Testing and Services
IAS – International Accreditation Service
IAQ – Indoor air quality
IBC – International Building Code
ICBO – International Conference of Building Officials
ICC – International Code Council
ICC ES – International Code Council Evaluation Service
IgCC – International Green Construction Code
IDPH – Illinois Department of Public Health
IEC – International Electrotechnical Commission
IGC – Interim Guide Criteria by IAPMO
IOU – Investor Owned Utilities
I-P – Inch-pound
IPC – International Plumbing Code

IRC – International Residential Code

IRIS – Integrated Risk Information System

IS – Installation Standards by IAPMO

ISO – International Organization of Standardization

IWA – International Water Association

KCMA – Kitchen Cabinet Manufacturers Association

kWh - Kilowatt-hour

L - Liter

LADBS - Los Angeles Department of Building Services

LCA - Life Cycle Assessment

LCCA – Lead Contamination Control Act

LCI – Life Cycle Inventory

LCR – Lead and Copper Rule

LEED – Leadership in Energy and Environmental Design

MaP – Maximum Performance Testing

MAPMO – Minnesota Association of Plumbing and Mechanical Officials

MCAA – Mechanical Contractors Association of America

MCAC – Mechanical Contractors Association of Canada

MSS – Manufacturers Standardization Society of the Valve and Fittings Industry, Inc.

NAA – National Apartment Association

NAECA – National Appliance Energy Conservation Act

NAHB – National Association of Home Builders

NAM – National Association of Manufacturers

NCHI – National Council of the Housing Industry (Division of NAHB)

NCSBCS – National Conference of States on Building Codes and Standards

NES – National Evaluation Service

NFPA – National Fire Protection Association

NIBS – National Institute of Building Sciences

NIST – National Institute of Standards and Technology

NKBA – National Kitchen and Bath Association

NMHC – National Multi Housing Council

NMHCSS – National Manufactured Housing Construction and Safety Standards

NOI – Notice of Intent

NPC – National Plumbing Code

NPCC – National Plumbing Code of Canada

NPGA – National Propane Gas Association

NRC – National Research Council Canada

NRDC – Natural Resources Defense Council

NSF International – Formerly National Sanitation Foundation

NSC – National Safety Council

NSPC – National Standard Plumbing Code

NTTA – National Technology Transfer and Advancement Act

OMB – Office of Management and Budget

OSHA – Occupational Safety and Health Administration

PBV – Pressure balancing valve

PCR – Product Category Rules

PDI – Plumbing Drainage Institute

PEL – Permissible exposure limits

PERC – Plumbing Efficiency Research Coalition

PEX – Cross-linked Polyethylene

PHCC – Plumbing-Heating-Cooling Contractors-National Association

PIAC – Plumbing Industry Advisory Council

PILC – Plumbing Industry Leadership Coalition

PMI – Plumbing Manufacturers International

PPIG – Plumbing Products International Group

PPFA – Plastic Pipe and Fittings Association

ppb – Parts per billion

ppm – Parts per million

PS – Property Standards by IAPMO

RBQ – Régie du bâtiment du Québec (Building Code Board)

RPA – Radiant Panel Association

rpm – Revolutions per minute

RSES – Refrigeration Service Engineers Society

SBCCI – Southern Building Code Congress International

SCAQMD – South Coast Air Quality Management District

SCBPS – Standing Committee on Building and Plumbing Services

SCC – Standards Council of Canada

SDO – Standards Development Organization

SDWA – Safe Drinking Water Act

SME – Subject matter expert

SPC – Standard Plumbing Code

TCEQ – Texas Commission on Environmental Quality (formerly TNRCC)

TIL – Technical Information Letter (CSA)

TXV – Thermal Expansion Valve

UA – Union Association of Plumbers and Pipefitters

UCA – Universal Conformity Assessment

UFC – Uniform Fire Code

UL – Underwriters Laboratories

UMC – Uniform Mechanical Code

UPC – Uniform Plumbing Code

U.S.C. – United States Code

USDA – United States Department of Agriculture

USDOE – United States Department of Energy

USEPA – United States Environmental Protection Agency

USFEMA – United States Federal Emergency Management Agency

USGBC – U.S. Green Building Council

USGSA – United States General Services Administration

UUT – Unit under test

VDMA – German Valve Association

VOC – Volatile organic compound

VoW – Value of Water Coalition

WE-Stand – IAPMO's Water Efficiency and Sanitation Standard

WEF – Water Environment Foundation

WERF – Water Environment Research Foundation

WFCA – Western Fire Chiefs Association

WPC – World Plumbing Council

WQA – Water Quality Association

WRAS – Water Regulations Advisory Scheme

SPEAKER INFORMATION

Date: Wednesday, November 17, 2021
Event: "How Water Conservation/Efficiency Is Changing in an Era of Growth and Drought" Panel
Time: 11:00 am – 12:00 pm

Jacob Atalla

Vice President, Sustainability Initiatives

KB Home

Phone: 714 588 3232

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Jacob Atalla is vice president of innovation and sustainability at KB Home, where he leads KB Home's initiatives to make every home it builds more environmentally friendly and smart.

Educated as an architect, Jacob has over 35 years' experience with technology and green building. He draws on this deep expertise to create innovative solutions for building homes that can promote the health of their residents, as well as the environment.

Jacob worked on the 2019 KB Home ProjeKt, a sustainable smart concept home for today, tomorrow and the future. The learnings from this concept home guided KB Home in introducing new smart and healthy home technologies for its production homes.

KB Home has built the most WaterSense® labeled homes in the nation. Also, the company has built over 160,000 ENERGY STAR-certified homes, and 12,000 homes with solar PV.

Jacob serves on the board of directors for Residential Energy Services Network (RESNET). Working with RESNET and other organizations, he helped in the development of the ANSI/RESNET/ICC 850-2020 standard for the calculation and labeling of the water use performance of homes, using the Water Rating Index.

SPEAKER INFORMATION

Date: Wednesday, November 17, 2021
Event: "How Water Conservation/Efficiency Is Changing in an Era of Growth and Drought" Panel - Moderator
Time: 11:00 am – 12:00 pm

Troy Benavidez

Leader, International Government Relations

LIXIL

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Troy Benavidez is the leader, international government relations and policy, at LIXIL. As a member of the leadership team, he works to cohesively represent and protect the company's interests in global public policy matters to support near- and long-term objectives.

Troy has a wealth of experience in federal, state and international government relations, policy and public affairs strategy development. In his career, he served in various corporate and global public affairs roles for the pharmaceutical industry at Pfizer and AstraZeneca. Previously, he held a variety of positions within state and federal government with staff roles in the U.S. House of Representatives and the U.S Senate. Benavidez holds an MBA from Drexel University and a B.S. in political science and economics from Colorado College.

SPEAKER INFORMATION

Date: Wednesday, November 17, 2021
Event: "How Water Conservation/Efficiency Is Changing in an Era of Growth and Drought" Panel
Time: 11:00 am – 12:00 pm

Veronica Blette

Chief, WaterSense Branch

Office of Wastewater Management, U.S. Environmental Protection Agency (EPA)

Phone: 202 564 4094

bllette.veronica@epa.gov

Veronica Blette manages the WaterSense program in the United States Environmental Protection Agency's (EPA) Office of Water.

Prior to Veronica's current position, she served as special assistant to the director of the National Drinking Water Program and led the EPA's Drinking Water Infrastructure Financing Program.

Before joining the EPA in 1997, she worked in the academic research and environmental consulting fields on projects investigating the effects of atmospheric deposition on soils and water quality. She has a bachelor of arts in geology from Smith College and a master of science in geology from the University of Massachusetts at Amherst.

SPEAKER INFORMATION

Date: *Tuesday, November 16, 2021*
Event: *“EPA Regulation of Antimicrobial Claims for Treated Products: Current Trends & the Impact of the COVID-19 Pandemic”*
Time: *3:15 pm – 4:00 pm*

Thomas Brugato
Special Counsel
Covington & Burling LLP
Phone: 202 662 5515
tbrugato@cov.com

Thomas Brugato is special counsel in Covington & Burling’s Washington, D.C., office. His practice focuses on environmental matters, as well as civil and administrative litigation. He has experience advising clients on a wide variety of environmental issues, including under the Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act, Comprehensive Environmental Response, Compensation and Liability Act, Emergency Planning and Community Right-to Know Act, Toxic Substance Control Act, the Endangered Species Act, the Occupational Safety and Health Act, and Federal Insecticide Fungicide and Rodenticide Act.

Thomas has extensive experience with EPA's Renewable Fuel Standard Program. He also has particular expertise in advising companies on environmental-related issues arising in the context of product recalls (such as compliance with PHMSA’s hazardous materials transportation regulations), including recalls under Pipeline and Hazardous Materials Safety Administration or Consumer Product Safety Commission jurisdiction. Finally, he has significant experience advising clients on Indian law-related issues, particularly relating to the Indian Gaming Regulatory Act and tribal sovereign immunity.

SPEAKER INFORMATION

Date: *Tuesday, November 16, 2021*
Event: *“US Trade Policy in the Biden Administration Era – Update on Tariffs, Exports, and Changes to Buy American for Federal Procurement”*
Time: *1:15 pm – 2:15 pm*

Evan Chuck
Partner
Crowell & Moring
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Evan Chuck is a partner in the firm’s Los Angeles office and is a member of the firm’s International Trade and Corporate Groups. He leads the firm’s Asia practice and is also a director of the firm’s China office in Shanghai.

Evan has more than 25 years of international trade and cross-border transactional experience. He has been a strategic advisor to Fortune 500 companies in structuring market entry, global supply chain, and e-commerce strategies across the Asia-Pacific region. He has in-depth experience in China with cross-border acquisitions/dispositions, government regulatory compliance, and investigations. He advises major multinational companies on navigating the potential conflicts between and among U.S., E.U., and newly emerging Chinese law, including the Anti-Foreign Sanctions Law, the PRC “Blocking Statute”, the PRC Export Control Law, Unreliable Entity List, the PRC Cybersecurity Law, and the PRC Data Security Law. He has also been representing a select group of large, multinational Chinese companies with complex U.S. transactional, tax and regulatory issues. Evan works closely with the firm’s government affairs group and consulting group, Crowell & Moring International, to align global geo-political policy and strategy with cross-border legal advice.

Evan is a member of Crowell & Moring’s Coronavirus Working Group. He is advising multinational companies on the rapidly changing government orders in the U.S., E.U., U.K., Middle East and Asia impacting operations and supply chains. He is guiding clients procuring personal protective equipment (PPE) from China and other parts of Asia, particularly with respect to changing export control rules and the impact of applicable US trade, health and safety laws and regulations.

He has experience in a broad range of technology and data intensive industries, including aerospace and aviation, electric vehicle (EV) and automotive, medical devices, semiconductors, power generation, software/cloud computing, "internet of things" (IoT), wood and paper products, industrial water infrastructure, health care/pharmacy benefits management, and architecture/engineering design services.

SPEAKER INFORMATION

Date: *Wednesday, November 17, 2021*
Event: *“How Water Efficiency/Conservation Is Changing in an Era of Growth and Drought” Panel*
Time: *11:00 am – 12:00 pm*

Heather Cooley
Director of Research
Pacific Institute
Phone: 501 681 5595
hcooley@pacinst.org

Heather Cooley is director of research at the Pacific Institute. She conducts and oversees research on issues related to water resilience and sustainability, including water efficiency and reuse, the water-energy nexus, nature-based solutions, and water equity. Prior to joining the Pacific Institute, she worked at Lawrence Berkeley Laboratory studying climate and land use change and carbon cycling. She received a B.S. in Molecular Environmental Biology and a master’s degree in energy and resources from the University of California, Berkeley. She has served on several water efficiency related multi-stakeholder groups, including the California Urban Water Conservation Council’s Board of Directors, the California Urban Stakeholder Committee, and the California Commercial, Industrial, and Institutional Task Force.

SPEAKER INFORMATION

Date: Wednesday, November 17, 2021
Event: "Industry and Regulatory Trends in Plumbing Plastic"
Time: 10:00 am – 10:45 am

Domenic DeCaria
Technical Director
The Vinyl Institute
Phone: 202 765 2179
ddecaria@winylinfo.org

Domenic DeCaria is technical director at the Vinyl Institute, where he oversees technical, standards and regulatory matters related to material science and sustainability.

His experience spans more than 25 years in the steel, polyurethane and vinyl industries with several years focused on plumbing pipe markets.

Domenic earned a bachelor's degree in chemical engineering from the University of Michigan and a master's degree in business administration from Wayne State University in Detroit, Mich.

SPEAKER INFORMATION

Date: Tuesday, November 16, 2021
Event: Advocacy/Government Affairs Topics
Time: 2:15 pm – 3:00 pm

Jerry Desmond

Plumbing Manufacturers International (PMI) Government Relations Consultant
California Office
Desmond & Desmond LLC
Phone: 916 441 4166
jerry@desmondlobbyfirm.com

Jerry Desmond has served as PMI's California government relations consultant since 2006. He engages with the legislative and executive branches of state government, advocating PMI's positions and interests on legislation and regulations. He is a legislative advocate and lawyer with his firm Desmond & Desmond LLC. The firm represents the interests of trade associations, businesses and public entities throughout California. Jerry's in-depth knowledge of his clients' interests, his legal and advocacy skills with respect to laws and legislation pertaining to his clients' issues, his strategic advice and his professional manner, have earned him the respect and relationships that bring success in the Capitol.

Jerry provides comprehensive governmental advocacy services. These include his analysis of legislation and regulations, as well as the development of legislative and public policy solutions to best serve the interests of his clients. He represents his clients in hearings and meetings with the Governor's Office, the legislature and their staff, state agencies, boards, commissions and legislative bodies.

In addition to lobbying, Jerry has significant expertise in political and nonprofit law. He has addressed numerous professional associations and public entities on California politics, laws and legislation.

Jerry joined the firm in 1982 upon earning his law degree from the University of the Pacific, McGeorge School of Law. He became a legislative advocate in 1985. He is a member of the State Bar of California and the Institute of Governmental Advocates.

SPEAKER INFORMATION

Date: Tuesday, November 16, 2021
Event: Keynote
"Get Rid of the BS"
Time: 9:00 am – 10:15 am

Risha Grant

Founder & Chief Executive Officer

Risha Grant LLC

Phone: 202 721 7679

lisa@lauthorities.com

Motivated by her passion to correct societal "isms" like racism, sexism, classism and plain old stupidism, Risha Grant has a personal mission to expose the value of diversity and inclusion while shining a light on the economic impact it creates. From her race, gender and lifestyle choices, to growing a small business and tackling economic issues, every area of her life intersects diversity.

Founder & CEO of Risha Grant LLC, an award-winning diversity consulting and communications firm, as well as an edgy, educational and motivational speaker, Risha is an author and internationally renowned diversity, inclusion and bias expert. She covers these topics as NBC KJRH's community correspondent and host of the Risha Talks series. Through her Tulsa World column, Risha Talks, and as a contributor to Black Enterprise magazine, she has motivated and educated numerous corporations, associations, and universities. In her book, "That's BS! How Bias Synapse Disrupts Inclusive Cultures and the Power to Attract Diverse Markets" and her corresponding "BS" Video Series, Risha has led audiences to new places of respect and understanding. These audiences have included Discover Card Financial Services, Samsung Electronics America, Cox Communications, Wells Fargo, USAA Diversified Financial Group, Boy Scouts of America, U.S. Air Force, Federal Reserve Bank of Kansas City, NBA's Oklahoma City Thunder, University of Oklahoma, and Roger Williams University, to name a few.

She has been featured in Forbes, The Financial Times, Off Script, Bloomberg Media, Black Enterprise, Engage Magazine, Radioactive Radio, Take the Lead Radio, The Dream Catcher podcast, Money for Life podcast, DJC Oregon newspaper, The Kansas City Star, WUSA-TV, KVUE-TV, KTLU-TV, WURD Radio, among other local and national media. Risha has also been awarded numerous honors such as being named a 2019 Top 100 HR Influencer by Engagedly, a 2018 Inclusive Leadership Award Winner and Entrepreneur of the Year in 2017.

SPEAKER INFORMATION

Date: *Thursday, November 18, 2021*
Event: *"Key Drivers for Building Water System Energy Efficiency, Water Conservation, and Control of Opportunistic Premise Plumbing Pathogens"*
Time: *9:00 am – 9:45 am*

Tim Keane

Owner

Legionella Risk Management, Inc.

Phone: 215 262 5133

timke@verizon.net

Tim Keane, owner of Legionella Risk Management, Inc., is a consulting engineer and a recognized expert on methods to control Legionella in building water system design and operation and mitigate issues. He has 40 years of field engineering experience including project engineering and facility engineering, the last 20 years focused on building water system design, operation, maintenance, and code development for waterborne pathogen control.

Tim was a member of the ASHRAE 188 committee from first meeting in 2005 through publication of the 2015 and 2018 standards and development of Guideline 12 2020. He has routinely presented at ASHRAE, ASPE and healthcare conferences and offered training seminars to plumbing designers, infection control, and building maintenance personnel. He has worked with federal, state and local health departments, as well as with building owners and operators across the U.S. in outbreak investigations and resolutions. He has developed waterborne pathogen risk management programs for building owners across the U.S.

SPEAKER INFORMATION

Date: *Thursday, November 18, 2021*
Event: *“Premise Plumbing Modeling: State-of-the-Art Reviews and Challenges”*
Time: *9:45 am – 10:30 am*

Juneseok Lee, Ph.D.
Associate Professor
Civil and Environmental Engineering, Manhattan College
Phone: 408 318 8288
juneseok.lee@manhattan.edu

Dr. Juneseok Lee’s research focuses primarily on drinking water infrastructure analytics, premise plumbing issues, and water distribution systems. His work has been supported by major grants from funding bodies such as the National Science Foundation, the U.S. Environmental Protection Agency, the California Water Service Company, and Hewlett-Packard. Dr. Lee has about 70+ technical publications, including articles in highly respected journals and conference proceedings, and has delivered numerous presentations at national and international conferences on the environment, water and infrastructure engineering. In 2018 and 2020, he won the Best Paper Awards from the American Water Works Association (AWWA)’s Distribution and Plant Operations Division. Dr. Lee, who has a Ph.D. in civil and environmental engineering from Virginia Tech, is a registered professional engineer of civil engineering in California and a board-certified Diplomate, Water Resources Engineer (D.WRE) from the American Academy of Water Resources Engineer. He currently serves on the editorial board/associate editor of the ASCE Journal of Water Resources Planning and Management and AWWA Water Science. He was the recipient of the 2021 Environmental Water Resources Institute's (EWRI) Service to the Profession Award.

SPEAKER INFORMATION

Date: Tuesday, November 16, 2021
Event: "Planning and Navigating with Assurance"
Time: 10:30 am – 11:30 am

Connor Lokar
Speaker and Senior Forecaster
ITR Economics
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clokar@itreconomics.com

Few young economists present their insights with the authority, accuracy and humor that Connor Lokar brings to the stage. From the intimate executive retreat to the standing room-only keynote, he delivers with charm and candor, rousing and enlightening all who attend his talks.

As a millennial, Connor brings a new perspective to the world of economics, delivering ITR's industry-leading accuracy to current C-suite executives while forging connections with the next generation of business leaders.

Connor specializes in construction but consults and presents to businesses across all industries, helping them grow revenue and remain profitable through an ever-changing business cycle.

SPEAKER INFORMATION

Date: Wednesday, November 17, 2021
Event: "How Water Conservation/Efficiency Is Changing in an Era of Growth and Drought"
Time: 11:00 am – 12:00 pm

Elizabeth Lovsted
Water Resources Manager
San Diego County Water Authority
Phone: 951 970 3178
elovsted@sdcwa.org

Elizabeth Lovsted has more than 18 years of experience in water resources planning and conservation in California. For 16 years, she worked in water supply planning and conservation at one of the largest retail water agencies in California. In April 2019, she joined the San Diego County Water Authority as a water resources manager overseeing regulatory policy, integrated regional water management, and conservation. She is the chair of the Water Use Efficiency Subcommittee for the Association of California Water Agencies and served as the Steering Committee chair for the California Data Collaborative in 2019. Elizabeth is a registered civil engineer in California and has a bachelor of science degree in civil engineering from San Diego State University.

SPEAKER INFORMATION

Date: *Wednesday, November 17, 2021*
Event: *Keynote*
“Be the One: How Great Leaders Bring Out the Best in Others”
Time: *9:00 am – 10:00 am*

Ted Ma

International Keynote Speaker, Author, and Leadership Strategist
Ted Ma Enterprises
Phone: 510 815 1894
ted@realtedma.com

Ted Ma is an international keynote speaker, author and leadership strategist who works with organizations to develop leaders at every level and get their employees to perform at their best. He was named one of the Top 100 keynote speakers of 2019 by Databird Business Journal. He believes that increasing performance, retention and morale begins with building tomorrow’s leaders today.

Unlike many leadership experts, Ted built an international sales team from scratch to over 6,000 independent agents, reaching the top 0.1% of over 300,000 sales reps. As a millennial, Ted has been leading teams and coaching leaders for over 18 years.

Ted has been featured in publications including USA Today, Inc., CNBC, and the New York Times. He has delivered over 1,000 presentations to audiences as large as 10,000 and has shared the stage with speakers like John Maxwell, Jack Canfield, and Mel Robbins. He is a member of the National Speakers Association, the Global Speakers Federation, and Toastmasters International.

When he is not traveling the world speaking, you may find Ted hiking, cheering on the San Francisco 49ers, or ordering complicated coffee drinks.

SPEAKER INFORMATION

Date: Wednesday, November 17, 2021
Event: "Global Supply Chain: Risk Management"
Time: 2:30 pm – 3:30 pm

David F. Pyke, Ph.D.

Professor of Operations and Supply Chain Management
University of San Diego School of Business

Phone: 619 260 6892

davidpyke@sandiego.edu

Dr. David F. Pyke is professor of operations and supply chain management at the University of San Diego School of Business. He was dean of the business school from 2008 until 2015. Formerly, he was professor of operations management and associate dean at the Tuck School of Business Administration at Dartmouth College. He obtained his BA from Haverford College, MBA from Drexel University, and his MA and Ph.D. from the Wharton School of the University of Pennsylvania. His research and consulting have focused on inventory management, production planning and scheduling, blockchain, risk management, and operations and supply chain strategy. His book, "Inventory and Production Management in Supply Chains," co-authored with E. A. Silver and D. Thomas (fourth edition, CRC Press, 2017), is used in numerous master's and Ph.D. programs worldwide. He is a frequent faculty at executive programs worldwide and has consulted with many large and small companies.

SPEAKER INFORMATION

Date: Monday, November 15, 2021
Event: Aspiring Leaders Program - "Locked on Leadership: The Secret to Self-Directed Teams"
Location: USS Midway
Time: 12:30 pm – 3:45 pm

Dave Rosenberg

Leadership and Tactical Business Specialist
Locked On Leadership
Phone: 619 992 9749
dave@lockedonleadership.com

Dave Rosenberg's biggest challenge as a naval officer didn't come in the cockpit of his F-14, the fighter jet made famous by the movie "Top Gun," but rather as a leader of people. It was under the pressures of combat where he grasped how the right words at the right time inspire and not merely motivate people.

He thought it would be easier in the private sector, he couldn't have been more wrong! Without the urgency of combat, he found it difficult to get his team to do more than go through the paces. He knew he had to figure out how to inspire them or his career would stagnate. The breakthrough came after he realized his team was simply struggling to survive.

An engineer by education, Dave has trained in martial arts since the age of 13 and holds black belts in two different disciplines. He has been the president of four companies and in senior management of two others. In his 30+ years in leadership, he combined the systematic approach of an engineer with the disciplined learned from his martial arts to develop his "Locked On Leadership" process.

Today, Dave shares these secrets with companies and organizations around the world, guiding them to create self-directed, high-performing teams that consistently shatter organizational goals. He is the author of "Locked On Leadership: The Tactical Business Guide to Creating a Culture of Consistency, Courage, and Caring," as well as the co-host of the internationally popular podcast, "Disarming Persuasion."

SPEAKER INFORMATION

Date: Tuesday, November 16, 2021
Event: Advocacy/Government Affairs Topics
Time: 2:15 pm – 3:00 pm

Stephanie Salmon

Plumbing Manufacturers International (PMI) Government Relations Consultant
Washington D.C.

President – Potomac Government Relations

Phone: 202 452 7135

ssalmondc@gmail.com

Stephanie Salmon is president of Potomac Government Relations, a government affairs and public policy firm located on Capitol Hill in Washington, DC. She has over 25 years of government relations experience. She serves as PMI's Washington representative and responsible for promoting the association's legislative agenda and advocacy efforts before Congress, the Administration, and key regulatory agencies on a wide variety of issues, including environment, water, trade, energy, climate, workforce, tax, and appropriations, among others. She has successfully organized and managed dozens of Advocacy Hill Days and Washington conferences.

Before launching her business in 2013, Stephanie was vice president of government relations at a public relations and government relations firm in Washington, D.C. where she managed the government affairs efforts of three manufacturing trade associations, as well as working on numerous county government matters.

Stephanie is a member of the Association of Women in International Trade, Ripon Society, Women in Government Relations, and serves on several National Association of Manufacturers' policy committees. She graduated from the American University with a Bachelor of Arts in International Relations, with a concentration in economics and business. A native of Cincinnati, Ohio, she resides in Arlington, Virginia.

SPEAKER INFORMATION

Date: *Tuesday, November 16, 2021*
Event: *“US Trade Policy in the Biden Administration Era – Update on Tariffs, Exports, and Changes to Buy American for Federal Procurement”*
Time: *1:15 pm – 2:15 pm*

Gary Stanley

Director

Office of Materials Industries

Phone: 202 482 0376

gary.stanley@trade.gov

Gary Stanley is the director of the Office of Materials Industries (OMI) in the Industry & Analysis (I&A) Unit of the Department of Commerce’s International Trade Administration (ITA).

Since 1983, Gary has served as the senior materials industries trade policy specialist for the Commerce Department while monitoring domestic and international industry trends and competitiveness developments. He actively participates in trade policy issues that affect the U.S. materials industries. In addition, he works with U.S. industry through a number of programs, including the Commerce Department’s Industry Trade Advisory Committees and Market Development Cooperator Program. Finally, he worked closely with the White House and several Executive Branch agencies in completing the 2019 Executive Order Strategy on Critical Minerals.

In I&A, Gary oversees an office of 10 industry and international trade specialists that monitor a wide range of sectors, including aluminum, building products, chemicals, forest products and steel. The office undertakes industry trade analysis, shapes U.S. trade policy, participates in trade negotiations, and organizes trade promotion and facilitation programs to improve the global competitiveness of the U.S. materials industries. The office works with other U.S. agencies in developing a public policy environment that advances U.S. competitiveness at home and abroad.

SPEAKER INFORMATION

Date: *Wednesday, November 17, 2021*
Event: *“Shifting U.S. Privacy Regulation: New State Laws Complicate Compliance Efforts”*
Time: *3:30 pm – 4:15 pm*

Joan Stewart
Attorney at Law
Wiley Rein LLP
Phone: 202 719 7438
jstewart@wiley.law

Joan Stewart focuses on regulatory compliance, privacy issues, and data governance counseling for a diverse group of clients, including those in the media, telecommunications and technology sectors. She provides clients with clear and business-focused guidance.

Joan advises clients on compliance with international, federal and state privacy laws and best practices. She counsels large and small businesses on strategies to implement data governance plans that comply with stringent privacy laws including the California Consumer Privacy Act (CCPA), California Privacy Rights Act (CPRA), and the General Data Protection Act (GDPR). She works closely with clients to evaluate data flows and advises clients on the applicability of various laws to their business practices. She advises clients on compliant cross-border data transfer mechanisms, including the use of standard contractual clauses and assists clients in developing policies – internal- and external-facing – that clearly communicate their privacy practices.

Joan also has significant experience advising broadcast clients on compliance with the Federal Communication Commission’s rules and regulations governing station operations, including political advertising, children’s programming, closed captioning and other accessibility rules, Emergency Alert Systems (EAS), recruitment and hiring (EEO), facility modifications, and public file obligations. She also works closely with broadcast clients seeking to grow their business through acquisitions or downsize through strategic divestitures.

SPEAKER INFORMATION

Date: *Thursday, November 18, 2021*
Event: *“Assessing Risk from Legionella and Waterborne Pathogens in Building Water Systems: What’s New?”*
Time: *11:15 am – 12:00 pm*

Janet E. Stout, Ph.D.
President and Director
Special Pathogens Laboratory
Phone: 412 281 5335
jstout@specialpathogenslab.com

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 also has 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; this guideline continues to serve as a model for national and global health agencies and organizations. In addition, 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 Systems, the first U. S. standard for Legionella risk management. She is the first certified instructor of the ASSE 12080 Legionella Water Safety and Management Specialist Certification training.

SPEAKER INFORMATION

Date: Wednesday, November 17, 2021
Event: *"Pipe Dreams: The Urgent Global Quest to Transform the Toilet," streamed live from the Netherlands*
Time: 1:15 pm – 2:15 pm

Chelsea Wald

Author and Science Journalist

The Martell Agency

Phone: 212-317-2672

afmartell@themartellagency.com

Chelsea Wald has repeatedly plunged into the topic of toilets since 2013, when editors first approached her to write about the latent potential in our stagnating infrastructure. Since then, she has traveled to Italy, South Africa, Indonesia and Haiti, as well as throughout the Netherlands and the United States, in search of the past and future of toilet systems. She has written for publications such as Nature, Science, Nautilus, Discover, Bloomberg CityLab, and Wired. In April 2021, she published "Pipe Dreams: The Urgent Global Quest to Transform the Toilet" (Avid Reader Press/Simon & Schuster), which Nature calls "a deeply researched, entertaining and impassioned exploration of sanitation ancient and innovative," and Civil Engineering magazine writes is "a rewarding and enlightening read." She has appeared as a guest on programs including Marketplace, Fresh Air, and 99% Invisible.

Chelsea holds a bachelor's degree in astronomy from Columbia University and a master's in journalism from Indiana University and has more than 15 years of experience in writing about science and the environment. She has won several awards and reporting grants, including from the Society of Environmental Journalists, the European Geosciences Union, and the European Journalism Centre, and co-founded and continues to help organize an award for short science writing from the D.C. Science Writers Association. She lives with her family in the Netherlands.

SPEAKER INFORMATION

Date: *Thursday, November 18, 2021*
Event: *“New Studies on Building Water Systems”*
Time: *10:30 am – 11:15 am*

Andrew J. Whelton, Ph.D.

Associate Professor

Purdue University

Phone: 540 230 6069

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Andrew J. Whelton, Ph.D., is a Purdue University professor of civil, environmental, and ecological engineering nationally recognized for water systems safety, public health, and disaster response. He is the director of the Health Plumbing Consortium and founder and lead for the Center for Plumbing Safety at Purdue. Dr. Whelton has more than 20 years of experience helping building owners, corporations, government agencies (EPA, CDC, NRC, NIOSH, NIST, ARMY), water utilities, nonprofit organizations, health departments, and state legislatures address water safety and health challenges.

In recent years, his teams have helped uncover and solve health risks associated with building water system shutdowns and restarts prompted by the COVID-19 pandemic, wildfire, and chemical spill disasters. Before joining Purdue University, he served on the faculty at the University of South Alabama and worked for the National Institute for Standards and Technology (NIST) Building Fire Research Laboratory, Virginia Tech, U.S. Army, and private engineering consulting firms.

A hallmark of his work is direct engagement with communities at risk. His teams have established websites (www.PlumbingSafety.org; www.CIPPSafety.org) to make discoveries accessible to the public and communities of interest. He earned a B.S. in civil engineering, M.S. in environmental engineering, and Ph.D. in civil engineering from Virginia Tech.

SPEAKER INFORMATION

Date: *Tuesday, November 16, 2021*
Event: *“Plumbing Connectivity Protocol - Developing an Ecosystem of Smart & Connected Plumbing Systems”*
Time: *11:30 am – 12:00 pm*

Avi Yurman

Co-Founder and Head of Product

reed water

Phone: 647 402 9070

avi@reedwater.io

Avi Yurman is a co-founder and head of product at reed water (reedwater.io). He is originally from Toronto, Canada, where he received a bachelor’s degree in business. Before co-founding reed water, he owned and operated an audio-visual automation company.



November 16, 2021
9:00 am PT

AGENDA | 1.0 OPENING REMARKS AND KEYNOTE ADDRESS: RISHA GRANT

DATE: TUESDAY, NOVEMBER 16, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 9:00 AM – 10:15 AM
ROOM: MISSION BAY ROOM

Time			
9:00 AM	1.1	Opening Remarks	Ma
	1.2	Call to Order and Opening Remarks/Antitrust Compliance Statement Meeting attendees are reminded of the PMI Antitrust Compliance Policy. Adherence to the PMI Antitrust Compliance Policy is mandatory. Review of the PMI Antitrust Compliance Policy can be found online here .	Teter/ Taylor
9:15 AM	1.3	Get Rid of the BS Risha Grant , founder and chief executive officer, Risha Grant LLC	Grant
9:50 AM	1.4	Questions and Answers	Grant
10:15 AM	1.5	Summary and Close	Ma



November 16, 2021
10:30 am PT

AGENDA | 2.0 SPECIAL PRESENTATION: CONNOR LOKAR

DATE: TUESDAY, NOVEMBER 16, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 10:30 AM – 11:30 AM
ROOM: MISSION BAY ROOM

Time			
10:30 AM	2.1	Introduction	Smith
	2.1	Planning and Navigating with Assurance Connor Lokar , speaker and senior forecaster, ITR Economics	
11:20 AM	2.3	Questions and Answers	Lokar
11:30 AM	2.4	Summary and Close	Ma



November 16, 2021
11:30 am PT

AGENDA | 3.0 SPECIAL PRESENTATION: AVI YURMAN

DATE: TUESDAY, NOVEMBER 16, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 11:30 AM – 12:00 PM
ROOM: MISSION BAY ROOM

Time			
11:30 AM	3.1	Introduction	McLeod
	3.2	Plumbing Connectivity Protocol – Developing an Ecosystem of Smart & Connected Plumbing Systems Avi Yurman , co-founder and head of product, reed water	Yurman
11:50 AM	3.3	Questions and Answers	Yurman
12:00 PM	3.4	Summary and Close	Ma



November 16, 2021
1:15 pm PT

AGENDA | 4.0 SPECIAL PRESENTATION: GARY STANLEY AND EVAN CHUCK

DATE: TUESDAY, NOVEMBER 16, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 1:15 PM – 2:15 PM
ROOM: MISSION BAY ROOM

Time			
1:15 PM	4.1	Introduction	Way
	4.2	US Trade Policy in the Biden Administration Era – Update on Tariffs, Exports, and Changes to Buy American for Federal Procurement Gary Stanley , director, Office of Materials Industries, U.C. Department of Commerce, and Evan Chuck , partner, Crowell & Moring	Stanley/ Chuck
2:00 PM	4.3	Questions and Answers	Stanley/ Chuck
2:15 PM	4.4	Summary and Close	Ma



November 16, 2021
2:15 pm PT

AGENDA | 5.0 ADVOCACY/GOVERNMENT AFFAIRS TOPICS

DATE: TUESDAY, NOVEMBER 16, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 2:15 PM – 3:00 PM
ROOM: MISSION BAY ROOM

Time			
2:15 PM	5.1	Introductions	Lampen
2:20 PM	5.2	PMI California Update Jerry Desmond , PMI government affairs consultant (California), Desmond & Desmond LLC	Desmond
2:35 PM	5.3	Update on PMI's Top Federal Priorities and What to Expect in 2022 Stephanie Salmon , PMI government affairs consultant (Washington D.C.), Potomac Government Relations LLC	Salmon
2:50 PM	5.4	Questions and Answers	Desmond/ Salmon
3:00 PM	5.5	Summary and Close	Lampen



November 16, 2021
3:15 pm PT

AGENDA | 6.0 SPECIAL PRESENTATION: THOMAS BRUGATO

DATE: TUESDAY, NOVEMBER 16, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 3:15 PM – 4:00 PM
ROOM: MISSION BAY ROOM

Time			
3:15 PM	6.1	Introductions	Desai
	6.2	EPA Regulation of Antimicrobial Claims for Treated Products: Current Trends & the Impact of the COVID-19 Pandemic Thomas Brugato , special council, Covington & Burling LLP	Brugato
3:50 PM	6.3	Questions and Answers	Brugato
4:00 PM	6.4	Summary and Close	Ma



November 17, 2021
9:00 am PT

AGENDA | 1.0 KEYNOTE ADDRESS: TED MA

DATE: WEDNESDAY, NOVEMBER 17, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 9:00 AM – 10:00 AM
ROOM: MISSION BAY ROOM

Time

9:00 AM	1.1	Call to Order and Opening Remarks/Antitrust Compliance Statement	Teter
		Meeting attendees are reminded of the PMI Antitrust Compliance Policy. Adherence to the PMI Antitrust Compliance Policy is mandatory. Review of the PMI Antitrust Compliance Policy can be found online here .	
	1.2	Be the One: How Great Leaders Bring Out the Best in Others	Ma
		Ted Ma , international speaker, author, and leadership consultant, Ted Ma Enterprises	
9:50 AM	1.3	Questions and Answers	Ma
10:00 AM	1.4	Summary and Close	Ma



November 17, 2021
10:00 am PT

AGENDA | 2.0 SPECIAL PRESENTATION: DOMENIC DeCARIA

DATE: WEDNESDAY, NOVEMBER 17, 2021

TIME: 10:00 AM – 10:45 AM

PLACE: PARADISE POINT, SAN DIEGO, CA

ROOM: MISSION BAY ROOM

Time			
10:00 AM	2.1	Introduction	Teter
	2.2	Industry and Regulatory Trends in Plumbing Plastic Domenic DeCaria , technical director, Vinyl Institute	DeCaria
10:35 AM	2.3	Questions and Answers	DeCaria
10:45 AM	2.4	Summary and Close	Ma

AGENDA | 3.0 DROUGHT PANEL

DATE: WEDNESDAY, NOVEMBER 17, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 11:00 AM – 12:00 PM
ROOM: MISSION BAY ROOM

Time			
11:00 AM	3.1	Introductions	Ma
	3.2	How Water Efficiency/Conservation is Changing in an Era of Growth and Drought	Benavidez/ Atalla/ Blette Cooley/ Lovsted
		Moderated By: Troy Benavidez , leader, international government relations, LIXIL	
		<ul style="list-style-type: none"> • Jacob Atalla, vice president, sustainability initiatives, KB Home • Veronica Blette, chief, WaterSense Branch, EPA Office of Wastewater Management • Heather Cooley, director of research, Pacific Institute • Elizabeth Lovsted, water resources manager, San Diego County Water Authority 	
11:40 AM	3.3	Questions and Answers	Benavidez/ Atalla/ Blette Cooley Lovsted
12:00 PM	3.4	Summary and Close	Ma



November 17, 2021
1:15 pm PT

AGENDA | 4.0 SPECIAL PRESENTATION: CHELSEA WALD

DATE: WEDNESDAY, NOVEMBER 17, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 1:15 PM – 2:15 PM
ROOM: MISSION BAY ROOM

Time

1:15 PM	4.1	Introduction	Smith
	4.2	“Pipe Dreams: The Urgent Global Quest to Transform the Toilet,” streamed live from the Netherlands Chelsea Wald , author and science journalist, The Martell Agency	Wald
2:00 PM	4.3	Questions and Answers	Wald
2:15 PM	4.4	Summary and Close	Smith



November 17, 2021
2:30 pm PT

AGENDA | 5.0 SPECIAL PRESENTATION: DAVID F. PYKE, PH.D.

DATE: WEDNESDAY, NOVEMBER 17, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 2:30 PM – 3:30 PM
ROOM: MISSION BAY ROOM

Time			
2:30 PM	5.1	Introductions	Lampen
2:35 PM	5.2	Global Supply Chain: Risk Management David F. Pyke, Ph.D. , professor of operations and supply chain management, University of San Diego School of Business	Pyke
3:20 PM	5.4	Questions and Answers	Pyke
3:30 PM	5.5	Summary and Close	Ma



November 17, 2021
3:30 pm PT

AGENDA | 6.0 SPECIAL PRESENTATION: JOAN STEWART

DATE: WEDNESDAY, NOVEMBER 17, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 3:30 PM – 4:15 PM
ROOM: MISSION BAY ROOM

Time			
3:30 PM	6.1	Introductions	Knieps
	6.2	Shifting U.S. Privacy Regulation: New State Laws Complicate Compliance Efforts	Stewart
		Joan Stewart , attorney at law, Wiley Rein LLP	
3:55 PM	6.3	Questions and Answers	Stewart
4:15 PM	6.4	Summary and Close	Ma

AGENDA | 7.0 67TH ANNUAL MEETING OF THE MEMBERSHIP

DATE: WEDNESDAY, NOVEMBER 17, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 4:15 PM – 5:00 PM
ROOM: MISSION BAY ROOM

Time

4:15 PM	7.1 Call to Order and Opening Remarks/Antitrust Compliance Statement	Teter
	Meeting attendees are reminded of the PMI Antitrust Compliance Policy. Adherence to the PMI Antitrust Compliance Policy is mandatory. Review of the PMI Antitrust Compliance Policy can be found online here .	
	7.2 Announcements	Teter
	<ul style="list-style-type: none"> • Welcome to First Time Attendees, New Members, Guests, and International Speakers and Recognitions • International Greetings 	
4:20 PM	7.4 Report of the Secretary Treasurer	Gattone
	7.4.1 Approval of the November 19, 2020 66 th Annual Meeting of the Membership Minutes (See Attachment)	
	7.4.2 Treasurer’s Report – FY 2021	
	7.4.3 Review and approval of PMI’s 2022 Dues Structure	
	7.4.4 Review of PMI’s 2021 Operating Budget	
4:25 PM	7.5 Election of 2022 Officers and Directors-At-Large	Smith
	7.5.1 Presentation of the 2022 Slate of Officers and Directors-At-Large	
4:30 PM	7.6 President’s Report	Teter
	7.6.1 Members of the Strategic Advisory Council	
	7.6.2 Recognition of the 2021 Committee Chairs	
	7.6.3 Recognition of PMI New Members	
	7.6.4 The President’s Award	
	7.6.5 2021 in Review	
4:40 PM	7.7 State of the Association	Stackpole
4:50 PM	7.8 Remarks of the 2022 President-elect	Knieps
5:00 PM	7.9 Summary and Adjournment	Teter



November 18, 2021
9:00 am PT

AGENDA | 1.0 SPECIAL PRESENTATION: TIM KEANE

DATE: THURSDAY, NOVEMBER 18, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 9:00 AM – 9:45 AM
ROOM: MISSION BAY ROOM

Time

9:00 AM	1.1	Call to Order and Opening Remarks/Antitrust Compliance Statement	Thompson
		Meeting attendees are reminded of the PMI Antitrust Compliance Policy. Adherence to the PMI Antitrust Compliance Policy is mandatory. Review of the PMI Antitrust Compliance Policy can be found online here .	
	1.2	Introduction	Lagan
	1.3	Key Drivers for Building Water System Energy Efficiency, Water Conservation, and Control of Opportunistic Premise Plumbing Pathogens	Keane
		Tim Keane , owner, Legionella Risk Management, Inc.	
9:35 AM	1.4	Questions and Answers	Keane
9:45 AM	1.5	Summary and Close	Lagan



November 18, 2021
9:45 am PT

AGENDA | 2.0 SPECIAL PRESENTATION: JUNESEOK LEE

DATE: THURSDAY, NOVEMBER 18, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 9:45 AM – 10:30 AM
ROOM: MISSION BAY ROOM

Time		
9:45 AM	2.1 Introduction	Dickey
	2.2 Premise Plumbing Modeling: State-of-the-Art Reviews and Challenges	Lee
	Juneseok Lee, Ph.D., PE, D.WRE, associate professor, civil and environmental engineering, Manhattan College	
10:20 AM	2.3 Questions and Answers	Lee
10:30 AM	2.4 Summary and Close	Dickey



November 18, 2021
10:30 am PT

AGENDA | 3.0 SPECIAL PRESENTATION: ANDREW WHELTON, PH.D.

DATE: THURSDAY, NOVEMBER 18, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 10:30 AM – 11:15 AM
ROOM: MISSION BAY ROOM

Time			
10:30 AM	3.1	Introduction	Lagan
	3.2	New Studies on Building Water Systems	Whelton
		Andrew Whelton, Ph.D. , associate professor of civil engineering and environmental and ecological engineering, Purdue University	
11:05 AM	3.3	Questions and Answers	Whelton
11:15 AM	3.4	Summary and Close	Lagan



November 18, 2021
11:15 am PT

AGENDA | 4.0 SPECIAL PRESENTATION: JANET E. STOUT, PH.D.

DATE: THURSDAY, NOVEMBER 18, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 11:15 AM – 12:00 PM
ROOM: MISSION BAY ROOM

Time			
11:15 AM	4.1	Introduction	Dickey
	4.2	Legionella: Assessing Risk from Legionella and Waterborne Pathogens in Building Water Systems: What's New? Janet E. Stout, Ph.D. , president and director of Special Pathogens Laboratory, research associate professor, University of Pittsburgh Swanson School of Engineering	Stout
11:50 AM	4.3	Questions and Answers	Stout
12:00 PM	4.4	Summary and Close	Dickey



November 18, 2021
12:00 pm PT

AGENDA | CLOSING CEREMONY

DATE: THURSDAY, NOVEMBER 18, 2021
PLACE: PARADISE POINT, SAN DIEGO, CA

TIME: 12:00 PM – 12:15 PM
ROOM: MISSION BAY ROOM

Time		
12:00 PM	PMI21 Conference Summary	Teter/Kneips
12:15 PM	Close	Teter/ Stackpole