

pmi 22 MANUFACTURING SUCCESS

PLUMBING MANUFACTURERS INTERNATIONAL CONFERENCE

OCTOBER 24 - 27, 2022

OMNI HOTEL, LOUISVILLE



PMI22 CONFERENCE SCHEDULE

Monday, Oct. 24

- 8:30am-4:30pm Aspiring Leaders Program at the Muhammad Ali Center (Separate registration)
- 11am-4pm PMI Board of Directors Meeting (Invitation Only)
- 2pm-4pm PMI Committee Chairs and Board Meeting (Invitation Only)
- 3pm-5pm Meeting Registration
- 5:30pm-7pm Welcome Reception for All Attendees

Tuesday, Oct. 25

- 9am-10:15am *Profit, Innovation, and the Drive to Net Positive: How Courageous Companies Thrive by Solving the World's Problems* Keynote Address with **Andrew Winston**, corporate environmental strategist and co-author of *Green to Gold* and *Net Positive*
- 10:15am-10:30am Break
- 10:30am-11am *Louisville Water: 160 Years of Quality, Innovation and Value* with **Barbara Crow**, strategic communications consultant, Louisville Water Company
- 11am-Noon *U.S. Trade Policy Agenda & Federal Assistance Programs* with **Michael Thompson**, international trade specialist, Office of Material Industries, U.S. Trade Policy Agenda & Federal Assistance Programs, U.S. Department of Commerce; and *Supporting American Manufacturing: Update on Current Actions to Support and Restore U.S. Capabilities* with **Adam H. Gordon**, founder and managing partner, The Bristol Group PLLC
- Noon-1pm Lunch
- 1pm-1:45pm *Advocacy/Government Affairs Topics* with PMI government relations consultants **Stephanie Salmon** and **Jerry Desmond**
- 1:45pm-2:30pm *What the SEC Climate Disclosure Rule Means for Companies and Their Stakeholders* with **Rich Glaze**, partner, Barnes & Thornburg LLP
- 2:30pm-2:45pm Break
- 2:45pm-3:30pm *Packaging Policy Landscape - 2022 and Beyond* with **Rob Keith**, membership and policy director, AMERIPEN
- 3:30pm-4:15pm *Microplastics Regulations on the Horizon – How Might They Impact the Plumbing Manufacturing Industry?* with **Megan Baroni**, partner, Robinson & Cole; and **Catie Boston**, principal scientist/risk assessor, Roux
- 5pm Louisville Slugger Museum Reception and Dinner

Wednesday, Oct. 26

9am-10am	<i>From the Bottom Up: One Man's Crusade to Clean America's Rivers</i> Keynote Address with Chad Pregracke , founder of Living Lands & Waters
10am-10:15am	Break
10:15am-10:45am	<i>Building-Wide Urine Diversion: Radical Change in Incremental Steps</i> with Treavor Boyer , Ph.D., professor, school of sustainable engineering and the built environment, Arizona State University
10:45am-11:45am	<i>Built Environment: The Next Generation</i> with Esber Andiroglu , Ph.D., associate professor of practice, director of MS-CM program, Department of Civil & Architectural Engineering, University of Miami
11:45am-12:15pm	<i>An Update from WaterSense</i> with Veronica Blette , chief, WaterSense Branch, EPA Office of Wastewater Management
12:15pm-1:15pm	Lunch
1:15pm-2pm	<i>Operational Excellence: Theory of Constraints Perspective</i> with Mahesh C. Gupta , Ph.D., professor, information systems, analytics & operations, University of Louisville
2pm-2:45pm	<i>Addressing Inflation and Supply Chain Disruptions</i> with Austin Kissinger , associate, Foley & Lardner LLP
2:45pm-3pm	Break
3pm-4pm	<i>Preparing for Change</i> economic outlook with Connor Lokar , speaker and senior forecaster, ITR Economics
4pm-5pm	68th Annual Meeting of the Membership (Members and Invitation Only)
6pm	PMI22 Reception and Dinner

Thursday, Oct. 27

9am-9:45am	<i>Disruption: Surf or Suffer</i> with Tim Costello , chairman & CEO, Builder Homesite, Inc.
9:45am-10:30am	<i>Adventures in Onsite Waste Treatment: Lessons from Designing for Resource-Constrained Environments</i> with Brian T. Hawkins , Ph.D., associate research professor, WaSH-AID, Duke University; and <i>Reinvented Toilets: Preparing the Regulatory Environment for Commercialization in the U.S.</i> with Clément Cid , Ph.D., laboratory manager, California Institute of Technology
10:30am-11:15am	<i>Toilet Leaks: Early Detection & Preventing Water Loss</i> with Eric Austin , utilities advisor and account manager; and Nicholas Benz , vice president of operations, Sensor Industries
11:15am-Noon	<i>Water from Air: How Technology Can Help Fight the Water Crisis</i> with Barak Ranon , president, and Nick Harris , vice president marketing and sales, Watergen Americas
Noon	Closing Remarks

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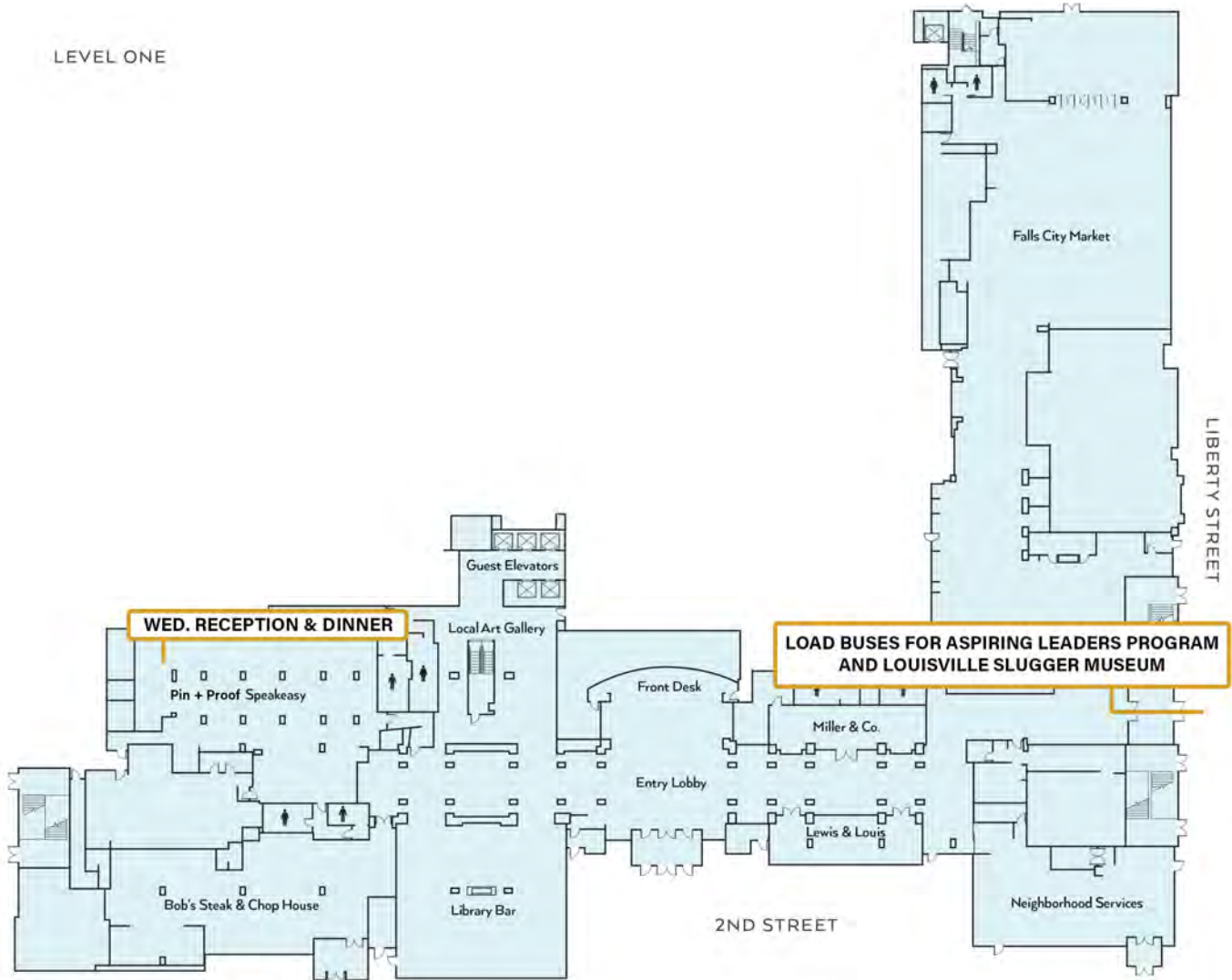


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MEETING AND EVENT LOCATIONS

LEVEL ONE



LEVEL TWO



PMI Board of Directors

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PMI Staff

Kerry Stackpole
CEO/Executive Director
kstackpole@safep plumbing.org

Jodi Stuhrberg
Director of Programs and Administration
jstuhrberg@safep plumbing.org

Kyle Thompson
Technical Director
kthompson@safep plumbing.org

Stephanie Lass
Education Coordinator
slass@safep plumbing.org

Ann Geier
Administrative Assistant
ageier@safep plumbing.org

Consultants

Jerry Desmond, Jr.
California Government Affairs
jerry@desmondlobbyfirm.com
916-441-4166

Stephanie Salmon
Federal Government Affairs
ssalmondc@gmail.com
202-452-7135

Pam Taylor
Jones Day, Legal Counsel
ptaylor@jonesday.com

PMI MEMBER COMPANIES

Manufacturing Members

BOCCHI
Bradley Corporation
Brasscraft Manufacturing Company
Delta Faucet Company
Dornbracht Americas, Inc.
Duravit USA, Inc.
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Fluidmaster, Inc.
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Allied Members

CSA Group Testing & Certification Inc.
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(ICC-ES)
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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 strengthen 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

USC – 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, October 26, 2022*
Event: *“Built Environment: The Next Generation”*
Time: *10:45 am – 11:45 am*

Esber Andiroglu, Ph.D.

Associate Professor of Practice, Director of MS-CM Program
Department of Civil and Architectural Engineering, University of Miami
Phone: 305 284 2587
e.andiroglu@miami.edu

Dr. Esber Andiroglu is a University of Miami associate professor of practice with a primary appointment in civil and architectural engineering and secondary appointments in chemical, environmental and materials engineering and architecture. He serves as director of the M.S. degree program in construction management and as coordinator of the Engineering and Technology Education Outreach Program, College of Engineering.

Dr. Andiroglu is a registered professional engineer and a LEED-accredited professional educator who has extensive industry experience in the evaluation, design, operation and performance analysis of systems in built environments. His public education efforts focus on sustainability, preservation and recovery of energy and water resources, and empowering local communities.

As the director of the Sustainability and Resilience Adaptation Laboratory (SUREAL), Dr. Andiroglu’s research focuses on development of virtual fan/pump flow meters and their application to air/water conveyance systems for achieving optimized performance efficiency. Additional areas of interest include research and development of engineered solutions related to smart water-energy infrastructures in response to climate change challenges in urban community settings. He earned B.S. and M.S. degrees in mechanical engineering from Penn State University, and Ph.D. in civil/architectural engineering from the University of Miami.

SPEAKER INFORMATION

Date: *Thursday, October 27, 2022*
Event: *“Toilet Leaks: Early Detection & Preventing Water Loss”*
Time: *10:30 am – 11:15 am*

Eric Austin
Account Manager
Sensor Industries
Phone: 302 690 1080
eric.austin@sensor-industries.com

Eric Austin is the account manager at Sensor Industries, a leading Internet of Things company. Sensor Industries helps facilitate operational efficiency and increased net operating income through water conservation for owners and residents of multifamily communities and commercial properties, including apartments, hotels, low-income/affordable housing and senior-living care facilities.

Eric received his bachelor’s degree from New York University.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *“Microplastics Regulations on the Horizon – How Might They Impact the Plumbing Manufacturing Industry?”*
Time: *3:30 pm – 4:15 pm*

Megan Baroni
Partner
Robinson & Cole LLP
Phone: 203 462 7528
mbaroni@rc.com

Megan Baroni is a partner at Robinson & Cole LLP where she counsels clients on a wide variety of environmental, health and safety issues. She frequently represents manufacturers and distributors and is a contributing author to the firm’s Manufacturing Law Blog, focusing on environmental, health and safety trends that will impact the industry.

Megan has extensive experience with a wide variety of complex environmental regulatory and compliance issues, including the investigation and remediation of contaminated properties; chemical and waste management associated with business operations; occupational safety matters; dispute resolution related to environment, health and safety matters; management of contaminated building materials; and risk management in crisis situations.

When compliance issues or disputes arise, Megan is a zealous advocate, working hand-in-hand with her clients to effectively manage and resolve them. Her deep understanding of the science at work in environmental cases helps make her truly knowledgeable about the issues at hand. She takes a team approach, commonly working with scientists and other technical consultants to develop a comprehensive strategy to support her clients’ goals and objectives.

Megan received a Bachelor of Arts from Syracuse University, a Master of Environmental Management from Yale School of the Environment, and a Doctor of Law from the Elisabeth Haube School of Law at Pace University.

SPEAKER INFORMATION

Date: *Thursday, October 27, 2022*
Event: *“Toilet Leaks: Early Detection & Preventing Water Loss”*
Time: *10:30 am – 11:15 am*

Nicholas Benz
Vice President of Operations
Sensor Industries
Phone: 805 312 3065
nick.benz@sensor-industries.com

Nicholas Benz is the vice president of operations at Sensor Industries, a leading Internet of Things company. His responsibilities cover leading account management, customer support, manufacturing, marketing and specific sales efforts.

As a detailed-oriented problem solver, Nicholas has taken on several roles at the company, including in software development, account management and business development.

Nicholas received his Bachelor of Science in chemistry from California Polytechnic State University San Luis Obispo and a Post-Baccalaureate in mathematics and computer science from California State University Channel Islands.

SPEAKER INFORMATION

Date: *Wednesday, October 26, 2022*
Event: *“An Update from WaterSense”*
Time: *11:45 am – 12:15 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, October 25, 2022*
Event: *“Microplastics Regulations on the Horizon – How Might They Impact the Plumbing Manufacturing Industry?”*
Time: *3:30 pm – 4:15 pm*

Catie Boston

Principal Scientist / Risk Assessor

Roux

Phone: 781 569 4028

cboston@rouxinc.com

Catie Boston is a board-certified toxicologist with over 12 years of experience. She combines her background in geology with her human health risk assessment and statistical expertise to provide multi-disciplinary support for remedial investigations and in environmental litigation.

Catie’s areas of expertise in toxicology and human health risk include emerging contaminants, quantitative risk assessment, exposure assessments, and general causation assessments. She conducts quantitative human health risk assessments and negotiates with regulatory agencies in support of remedial investigations and remediation at contaminated properties across the United States for industry, developers and municipalities.

In an environmental litigation context, she has experience advising clients regarding potential adverse health outcomes associated with alleged exposure to a wide variety of products and chemicals, including talc, heavy metals, pesticides/herbicides and various volatile organic compounds.

She earned a bachelor’s degree from Colgate University and a Master of Public Health degree from Boston University with a focus on environmental risk assessment and toxicology, where her research focused on per- and polyfluoroalkyl substances (PFAS).

SPEAKER INFORMATION

Date: Wednesday, October 26, 2022
Event: “Building-Wide Urine Diversion: Radical Change in Incremental Steps”
Time: 10:15 am – 10:45 am

Treavor Boyer, Ph.D.
Professor
Arizona State University
Phone: 480 965 7447
thboyer@asu.edu

Dr. Treavor Boyer is a professor at Arizona State University in sustainable engineering and the built environment and the program chair for environmental engineering. His research interests span water quality and treatment. He has worked on many projects using innovative applications of ion exchange technology, such as PFAS removal from impacted water and nutrient recovery from source-separated urine.

Dr. Boyer received an NSF CAREER Award for “Sustainable Urine Processes through Integration of Education and Research.” He is actively engaged in professional service activities with the Arizona Water/AWWA, serves on the board of directors of the Association of Environmental Engineering and Science Professors, and is the editor at Water Research.

He earned his Ph.D. and M.S. degrees in environmental engineering from the University of North Carolina at Chapel Hill, and his B.S. degree in chemical engineering from the University of Florida. Dr. Boyer was previously a faculty member in environmental engineering sciences at the University of Florida.

SPEAKER INFORMATION

Date: *Thursday, October 27, 2022*
Event: *“Reinvented Toilets: Preparing the Regulatory Environment for Commercialization in the U.S.”*
Time: *9:45 am – 10:30 am*

Clément Cid, Ph.D.
Laboratory Manager
California Institute of Technology (Caltech)
Phone: 818 659 5043
ccid@caltech.edu

Dr. Clément Cid is a senior researcher and laboratory manager at the Ronald and Maxine Linde Laboratory for Global Environmental Science at the California Institute of Technology in Pasadena, California.

Dr. Cid’s research focuses on electrochemical technologies for water and wastewater treatment, the application of inexpensive sensors and artificial intelligence for self-diagnosis and smart maintenance applications in remote settings, and point-of-use microbial and viral diagnostic technologies for environmental waters. He was a member of the team that won the Vodafone Americas’ Wireless Innovation Challenge in 2015 and the Gates Foundation’s “Reinvent the Toilet Challenge” in 2012. Dr. Cid also was a technical expert for the elaboration of ISO 30500 and ISO 31800.

He earned his Bachelor of Science and Master of Science degrees in chemistry from the École Normale Supérieure de Lyon in France in 2009 and 2011, respectively. Dr. Cid received his master’s degree and a doctorate in environmental science and engineering from the California Institute of Technology in 2014 and 2018, respectively.

SPEAKER INFORMATION

Date: *Thursday, October 27, 2022*
Event: *“Disruption: Surf or Suffer”*
Time: *9:00 am – 9:45 am*

Tim Costello

Chief Executive Officer
Builder Homesite Inc.
Phone: 512 651 8802

tcostello@builderhomesite.com

Tim Costello, chief executive officer of Builder Homesite Inc., oversees the homebuilding industry’s digital transformation. He runs the industry-owned entities of Builder Homesite Inc., BDx Inc. and New Home Technologies LLC, which provide digital services to the homebuilding supply chain, serving 250 manufacturing brands, and the more than 1,300 builder customers that construct over half the homes in the United States. Touching millions of consumers each month, services encompass the entire spectrum of digital needs, including virtual reality, interactive kiosks, websites and mobile solutions.

Previously, Tim served as vice president, global operations, for Applied Materials; vice president of strategic and technical programs for the World-Wide Manufacturing Organization; vice president of production engineering and managing director for Common Module Manufacturing & Engineering; and director of engineering for the Mainframe Group in Austin, Texas. He also held a variety of executive and management positions at General Motors Corporation, where he launched the first modern production electric car to engineering and quality management.

Tim has consulted internationally on many topics, including digital transformation, technology planning, online marketing, and development and implementation of world-class manufacturing, engineering and quality systems. He has served on various boards, including HelioVolt, Factory Logic, The Shingo Prize for Excellence in Manufacturing, the Trust for Public Land of Texas, the Trust for Public Land National Marketing Council, the Texas Foundation for Innovative Communities, and the Cornell University Engineering Advisory Council. Tim received his B.S. in mechanical engineering from Cornell University. He also was inducted into the Shingo Prize Manufacturing Academy in 2003.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *“Louisville Water: 160 Years of Quality, Innovation and Value”*
Time: *10:30 am – 11:00 am*

Barbara Crow

Strategic Communications Consultant

Louisville Water Company

Phone: 502 569 3600

bcrow@louisvillewater.com

Though officially retired after 30 years as a water utility professional and journalist, Barbara Crow continues to work as a strategic communications consultant for Louisville Water, her favorite company.

Barbara maximizes Louisville Water’s outreach efforts and looks for more efficient ways to communicate the organization’s work, the quality of Louisville’s water, and any new initiatives that may need community support. A big part of her job continues to be teaching water-related health, science and social studies programs to area students.

Barbara grew up in Louisville, Kentucky, and graduated from Western Kentucky University. Her most important roles in life are mom, wife and favorite aunt. She has recently discovered “alley shopping” and is now a part-time junk/restoration aficionado. She also is a two-time cancer survivor.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *“Advocacy/Government Affairs Topics”*
Time: *1:00 pm – 1:45 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, October 25, 2022*
Event: *“Overview of March 2022 SEC Climate Disclosure Rule and Implications for SEC Regulated and Non-Regulated Businesses”*
Time: *1:45 pm – 2:30 pm*

Rich Glaze
Partner
Barnes & Thornburg LLP
Phone: 404 264 4012
rqlaze@btlaw.com

Rich Glaze is a partner in Barnes & Thornburg’s environmental law section in Atlanta, Georgia. Before entering private practice, he was a senior attorney at the Environmental Protection Agency, where he was responsible for civil and criminal enforcement matters in the eight southeastern states of EPA Region 4.

He has been a special assistant United States attorney in five states and has been a member of trial teams for complex enforcement litigation, including criminal trials. Since leaving EPA, Rich has handled similar civil and criminal EPA and state agency enforcement matters from a defense perspective. He also is a co-author of a practitioner’s guidebook on EPA enforcement. Rich’s practice covers a broad scope of environmental law matters, including civil, criminal, and administrative enforcement defense and the defense of other actions brought by federal and state governments.

Rich leads the Barnes & Thornburg environmental, social and governance team. He recently graduated from the Sustainable Capitalism and ESG online course of the University of California, Berkeley, School of Law.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *“Supporting American Manufacturing: Update on Current Actions to Support and Restore U.S. Capabilities”*
Time: *11:00 am – 12:00 pm*

Adam Gordon

Founder and Managing Partner
The Bristol Group
Phone: 202 991 2701

adam.gordon@bristolgrouplaw.com

Adam Gordon is the founder and managing partner of The Bristol Group. He is an experienced lawyer with nearly 30 years of practice helping clients address complex international trade and customs matters, as well as policy, legislative and regulatory matters in the international trade area.

Adam represents U.S. manufacturers, industries, agricultural groups and trade associations in proceedings before the U.S. Department of Commerce, the U.S. International Trade Commission, U.S. Customs and Border Protection, the Office of the U.S. Trade Representative, the U.S. Court of International Trade, and the U.S. Court of Appeals for the Federal Circuit, using the powerful tools available under U.S. trade laws to help them succeed.

His practice focuses on antidumping and countervailing duty litigation, developing and implementing confidential enforcement programs to detect and combat circumvention and evasion of the trade laws, monitoring and analyzing trade flows, legislative counseling on international trade issues, and assisting clients with complex customs issues related to imports and exports. His clients range from small family-owned businesses to Fortune 100 corporations.

Adam founded The Bristol Group PLLC in 2015 to make bespoke, flexible and practical legal counsel available to businesses of all sizes. The Bristol Group’s capabilities have grown to include the full spectrum of legal services related to import and export issues, sanctions, compliance, customs, public policy, legislative matters, media and strategic communications.

A graduate of Yale University, the University of York (U.K.), and The George Washington University School of Law, Adam lives in Arlington, Virginia, with his family and a pair of highly energetic, water-loving dogs.

SPEAKER INFORMATION

Date: Wednesday, October 26, 2022
Event: “Operational Excellence: Theory of Constraints Perspective”
Time: 1:15 pm – 2:00 pm

Mahesh Gupta, Ph.D.
Professor
University of Louisville
Phone: 502 852 4783
mahesh.gupta@louisville.edu

Dr. Mahesh Gupta is a University of Louisville professor in the Department of Information Systems, Analytics and Operations. His areas of expertise and interest include evaluating and improving organizational performance by using management philosophies, such as just-in-time, activity-based management, theory of constraints, quality management, and market orientation.

He has worked extensively with local companies and has published articles in various international journals, including the Journal of Operations Management, Decision Sciences Journal, International Journal of Operations and Production Management, International Journal of Production Research, European Journal of Operational Research, Journal of Operational Research Society, and TECHNOVATION.

Dr. Gupta earned a master’s in commerce from the University of Jammu, India; a master’s in management science from the University of Manitoba, Canada; and a Ph.D. in industrial engineering from the University of Louisville.

SPEAKER INFORMATION

Date: *Thursday, October 27, 2022*
Event: *“Water from Air: How Technology Can Help Fight the Water Crisis”*
Time: *11:15 am – 12:00 pm*

Nick Harris

Vice President of Sales and Marketing

Watergen Americas

Phone: 201 566 5114

nickh@watergen.com

Nick Harris is the vice president of sales and marketing in North America for Watergen, which creates high-quality drinking water from humidity in the air. He is responsible for the acquisition, engagement and conversion of B2B and B2C customers.

Before joining Watergen, Nick served as the vice president of marketing for Caesarstone U.S., where he was responsible for all brand, channel and product strategies. He also served as the vice president of marketing for Benjamin Moore Paints, leading brand marketing activities across all consumer and professional segments in North America.

Nick earned a bachelor’s degree from McMaster University in Hamilton, Ontario.

SPEAKER INFORMATION

Date: *Thursday, October 27, 2022*
Event: *“Adventures in Onsite Waste Treatment: Lessons from Designing for Resource-Constrained Environments”*
Time: *9:45 am – 10:30 am*

Brian Hawkins, Ph.D.
Associate Research Professor
Duke University Center for WaSH-AID
Phone: 919 660 1359
brian.hawkins@duke.edu

Dr. Brian Hawkins is an associate research professor at the Duke University Center for Water, Sanitation, Hygiene, and Infectious Disease (WaSH-AID). He oversees multiple research and development programs and coordinates technology partnerships with other academic institutions and companies.

Dr. Hawkins’s research interests include processes for household-scale water treatment and reuse, nutrient remediation, and energy recovery. Current projects include leading the center’s efforts on several Small Business Innovation Research programs for the Environmental Protection Agency with Triangle Environmental and a Small Business Technology Transfer program with the National Institutes of Health for Coprata, Inc., and leading the development and commercialization efforts on the Reclaimer toilet.

Before joining Duke, Dr. Hawkins worked at RTI International and the University of Washington School of Medicine and completed a postdoctoral fellowship at the National Institute of Environmental Health Sciences. He is a co-author of more than 45 peer-reviewed research publications, review articles and book chapters, and serves as an associate editor of the Water and Environment Journal. He earned a B.S. in chemistry from the Georgia Institute of Technology and a Ph.D. in neuroscience from the University of Arizona.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *“Packaging Policy Landscape - 2022 and Beyond”*
Time: *2:45 pm – 3:30 pm*

Rob Keith

Membership and Policy Director
American Institute for Packaging and the Environment
Phone: 651 366 6087
robk@ameripen.org

Rob Keith joined the American Institute for Packaging and the Environment – AMERIPEN – in early 2022 as the membership and policy director. He has more than a decade of experience in membership and government relations at conservation nonprofits and outdoor industry associations.

His background in conservation and sportsman’s issues has given him a passion for sustainability and a belief that the best way forward lies in the intersection of our member’s needs and effective policy. A political science graduate of The University of the South and Washington, D.C., area native, Rob lives in Arlington, Virginia, with his wife and son.

SPEAKER INFORMATION

Date: Wednesday, October 26, 2022
Event: “Addressing Inflation and Supply Chain Disruptions”
Time: 2:00 pm – 2:45 pm

Austin Kissinger

Associate

Foley & Lardner LLP

Phone: 414 297 5095

akissinger@foley.com

Austin Kissinger is an associate at Foley & Lardner LLP and works in the firm’s transactions practice group. His responsibilities encompass a variety of corporate matters related to mergers and acquisitions, securities, corporate governance, and commercial contracts, including drafting and reviewing supply, distribution, purchase, licensing, and other agreements.

He has worked on commercial arrangements in a variety of industries, including manufacturing, food products and technology. Originally from the Milwaukee area, Austin earned a bachelor’s in business administration from the University of Wisconsin – Madison and a Juris Doctor degree from the University of Chicago.

SPEAKER INFORMATION

Date: Wednesday, October 26, 2022
Event: "Preparing for Change"
Time: 3:00 pm – 4:00 pm

Connor Lokar
Speaker and Senior Forecaster
ITR Economics
Phone: 603 796 2500
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.

Connor graduated from the University of Michigan with a bachelor's degree in economics.

SPEAKER INFORMATION

Date: *Wednesday, October 26, 2022*
Event: *Keynote: "From the Bottom Up: One Man's Crusade to Clean America's Rivers"*
Time: *9:00 am – 10:00 am*

Chad Pregracke
Founder and President
Living Lands & Waters
Phone: 703 516 4000
jconklin@kepplerspeakers.com

Chad Pregracke is the founder and president of Living Lands & Waters, a nonprofit river cleanup organization; the internationally named 2013 CNN Hero of the Year; and an author and professional public speaker. He is proof one person can make a difference.

Best known for starting out as a young man in East Moline, Illinois, wanting a cleaner waterway, Chad has become the champion for the Mississippi River. Growing up on its banks, he worked as a commercial shell diver during his early years, experiencing the river from the bottom up.

Sometimes spending 10 hours a day in the depths and current of the pitch-black waters, he crawled nearly 150 miles of the river bottom over six years. Chad saw its beauty and was frustrated by the neglect. At the age of 17, he decided to clean it up. Twenty-two years later, Chad and his Living Lands & Waters crew have organized and led over 1,000 community cleanups on 23 rivers in 20 states and removed over 10 million pounds of garbage. Chad had an idea that evolved into a movement that has helped to restore one of America's greatest icons, the Mississippi River.

Former President George W. Bush has recognized Chad as a national "Point of Light." He also received a standing ovation at the Kennedy Center from all four living former U.S. presidents for his inspirational message on dreaming big, taking action, persevering, leading and collaborating. He has been the keynote speaker for college graduations, business conferences and events, classrooms, nonprofit organizations and more. Named "America's Hardest Working Person" by Mitchum, Chad's enthusiasm, sense of humor and passion amplifies his story and entertains audiences. Ultimately, his message inspires people to believe they can make a difference.

Chad currently lives and works with his wife Tammy dividing their time between life on the Teamwork barge and their home in East Moline, Illinois.

SPEAKER INFORMATION

Date: *Thursday, October 27, 2022*
Event: *Water from Air: How Technology Can Help Fight the Water Crisis*
Time: *11:15 am – 12:00 pm*

Barak Ranon
President
Watergen Americas
Phone: 252 508 8464
barakr@watergen.com

Barak Ranon, president of Watergen Americas, has more than 20 years in P&L leadership roles. Watergen's technology creates high-quality drinking water from humidity in the air.

Barak's visionary leadership and experience spans consumer and industrial, public and private, and includes leadership roles in Palram Industries, SYFAN USA and Airguard. He lives in Raleigh, North Carolina.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *“Advocacy/Government Affairs Topics”*
Time: *1:00 pm – 1:45 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 the president of Potomac Government Relations, a government affairs and public policy firm located on Capitol Hill in Washington, D.C. Serving as PMI’s Washington representative, she is responsible for promoting the association’s legislative agenda and advocacy efforts before Congress, the administration and key regulatory agencies on a variety of issues, including environment, water, trade, energy, climate, workforce, tax and appropriations, among others.

With more than 25 years of government relations experience, Stephanie has successfully organized and managed dozens of Capitol Hill Advocacy 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 worked on several 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’s degree in international relations, with a concentration in economics and business. A native of Cincinnati, Ohio, she resides in Arlington, Virginia.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *“U.S. Trade Policy Agenda & Federal Assistance Programs”*
Time: *11:00 am – 12:00 pm*

Michael Thompson
International Trade Specialist
U.S. Department of Commerce
Phone: 202 482 0671
Michael.thompson@trade.gov

Michael Thompson is an international trade specialist in the Office of Material Industries at the U.S. Department of Commerce. His experience includes working on the Concrete Masonry Checkoff Implementation Team, conducting outreach to the concrete masonry industry to build awareness of the Concrete Checkoff referendum, and soliciting applications for membership on the Concrete Masonry Board.

Michael also served as the director of the Trade Fair Certification Program, which certified industry exhibits at over 120 trade events in more than 30 countries. He coordinated U.S. commercial service support for U.S. exporters at these exhibits.

Before starting his career at the Department of Commerce in 1994, Michael served nine years as a field artillery officer with assignments in South Korea; Honduras; Panama; Saudi Arabia; Fort Sill, Oklahoma; Fort Riley, Kansas; and Fort Bragg, North Carolina.

Michael earned a bachelor's degree in military science from the U.S. Military Academy, West Point; a master's degree in international transactions from George Mason University; and a master's degree in management from Webster University.

SPEAKER INFORMATION

Date: *Tuesday, October 25, 2022*
Event: *Keynote: "Profit, Innovation, and the Drive to Net Positive: How Courageous Companies Thrive by Solving the World's Problems"*
Time: *9:00 am – 10:15 am*

Andrew Winston
Corporate Environmental Strategist
Winston Eco-Strategies
Phone: 703 516 4000
jconklin@kepplerspeakers.com

Andrew Winston is a globally recognized expert on megatrends and how to build companies that thrive by serving people and the planet. He is one of the most widely read writers on sustainable business in the world, with regular columns in the Harvard Business Review and MIT Sloan Management Review.

Andrew's latest book, "Net Positive: How Courageous Companies Thrive by Giving More than They Take" (co-authored with renowned CEO Paul Polman), is one of the Financial Times' Best Business Books of the Year. "Net Positive" has been called an "electrifying strategy for business success and unlike any other book you've read" by Merck chairman Ken Frazier, a "wonderful rallying call" by Sir Richard Branson, and "pure heresy" by Arianna Huffington.

Andrew's first book, "Green to Gold," has reached more than 100,000 people in seven languages. Inc. Magazine included "Green to Gold" on its all-time list of 30 books that every manager should own. And his book The Big Pivot was selected as one of the "Best Business Books" by Strategy+Business magazine. Andrew also is the author of two Harvard Business Review magazine cover stories: "The Net Positive Manifesto" and "Leading a New Era of Climate Action." He's shared his views on strategy with many of the world's leading companies, including 3M, DuPont, HP, J&J, Kimberly-Clark, Marriott, PepsiCo, PwC, Trane Technologies, and Unilever.

Andrew was selected for the Thinkers50 list of top management thinkers in the world. He has been featured in major media, such as Bloomberg, The Wall Street Journal, Time, BusinessWeek, New York Times and CNBC. Andrew is a highly respected and dynamic speaker, reaching audiences of thousands with an entertaining message of practical optimism: the world's challenges are great, but business has the tools, resources and creativity to build a thriving world. He has spoken on five continents, delivering his inspirational messages to top executives of multinational companies, large industry conferences, and high-profile events, such as the World Innovation Forum and TED.

PMI22 Conference - Manufacturing Success

Andrew's work is based on significant business experience and education. Earlier in his career, he advised companies on corporate strategy while working at Boston Consulting Group and had management positions in strategy and marketing at Time Warner and MTV. Andrew received a bachelor's degree in economics from Princeton, a Master of Business Administration from Columbia, and a master's degree in environmental management from Yale. He lives in Greenwich, Connecticut, with his wife and two sons.



October 25, 2022
9:00 am ET

AGENDA | 1.0 KEYNOTE ADDRESS: ANDREW WINSTON

DATE: TUESDAY, OCTOBER 25, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 9:00 AM – 10:15 AM
ROOM: OLMSTED BALLROOM 04

Time			
9:00 AM	1.1	Call to Order and Opening Remarks/Antitrust Compliance Statement	Knieps
		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	Knieps
	1.3	Profit, Innovation, and the Drive to Net Positive: How Courageous Companies Thrive by Solving the World's Problems	Winston
		Andrew Winston , corporate environmental strategist and co-author, Winston Eco-Strategies	
10:00 AM	1.4	Questions and Answers	Winston
10:15 AM	1.5	Summary and Close	Winston



October 25, 2022
10:30 am ET

AGENDA | 2.0 SPECIAL PRESENTATION: BARBARA CROW

DATE: TUESDAY, OCTOBER 25, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 10:30 AM – 11:00 AM
ROOM: OLMSTED BALLROOM 04

Time			
10:30 AM	2.1	Introduction	Wang
	2.2	Louisville Water: 160 Years of Quality, Innovation and Value Barbara Crow , strategic communications consultant, Louisville Water Company	Crow
10:50 AM	2.3	Questions and Answers	Crow
11:00 AM	2.4	Summary and Close	Crow



October 25, 2022
11:00 am ET

AGENDA | 3.0 SPECIAL PRESENTATION: ADAM H. GORDON

DATE: TUESDAY, OCTOBER 25, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 11:00 AM – 12:00 PM
ROOM: OLMSTED BALLROOM 04

Time			
11:00 AM	3.1	Introduction	Lampen
	3.2	U.S. Trade Policy Agenda & Federal Assistance Programs Michael Thompson , international trade specialist, Office of Material Industries, U.S. Department of Commerce	Thompson
11:20 AM	3.3	Questions and Answers	Thompson
11:30 AM	3.4	Supporting American Manufacturing: Update on Current Actions to Support and Restore U.S. Capabilities Adam H. Gordon , founder and managing partner, The Bristol Group PLLC	Gordon
11:50 AM	3.5	Questions and Answers	Gordon
12:00 PM	3.6	Summary and Close	Thompson/ Gordon



October 25, 2022
1:00 pm ET

AGENDA | 4.0 ADVOCACY/GOVERNMENT AFFAIRS TOPICS

DATE: TUESDAY, OCTOBER 25, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 1:00 PM – 1:45 PM
ROOM: OLMSTED BALLROOM 04

Time			
1:00 PM	4.1	Introduction	Benavidez
	4.2	Update on PMI's Top Federal Priorities and What to Expect in 2023 Stephanie Salmon , PMI government affairs consultant (Washington D.C.), Potomac Government Relations LLC	Salmon
1:20 PM	4.3	Questions and Answers	Salmon
1:25 PM	4.4	PMI California Update Jerry Desmond , PMI government affairs consultant (California), Desmond & Desmond LLC	Desmond
1:40 PM	4.5	Questions and Answers	Desmond
1:45 PM	4.6	Summary and Close	Desmond/ Salmon



October 25, 2022
1:45 pm ET

AGENDA | 5.0 SPECIAL PRESENTATION: RICH GLAZE

DATE: TUESDAY, OCTOBER 25, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 1:45 PM – 2:30 PM
ROOM: OLMSTED BALLROOM 04

Time			
1:45 PM	5.1	Introduction	Gattone
	5.2	What the SEC Climate Disclosure Rule Means for Companies and their Stakeholders Rich Glaze , partner, Barnes & Thornburg LLP	Glaze
2:20 PM	5.3	Questions and Answers	Glaze
2:30 PM	5.4	Summary and Close	Glaze



October 25, 2022
2:45 pm ET

AGENDA | 6.0 SPECIAL PRESENTATION: ROB KEITH

DATE: TUESDAY, OCTOBER 25, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 2:45 PM – 3:30 PM
ROOM: OLMSTED BALLROOM 04

Time			
2:45 PM	6.1	Introduction	Neff
	6.2	Packaging Policy Landscape - 2022 and Beyond Rob Keith , membership and policy director, AMERIPEN	Keith
3:20 PM	6.3	Questions and Answers	Keith
3:30 PM	6.4	Summary and Close	Keith



October 25, 2022
3:30 pm ET

AGENDA | 7.0 SPECIAL PRESENTATION: MEGAN BARONI AND CATIE BOSTON

DATE: TUESDAY, OCTOBER 25, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 3:30 PM – 4:15 PM
ROOM: OLMSTED BALLROOM 04

Time			
3:30 PM	7.1	Introduction	Lampen
	7.2	Microplastics Regulations on the Horizon – How Might They Impact the Plumbing Manufacturing Industry? Megan Baroni, partner, Robinson & Cole, and Catie Boston, principal scientist/risk assessor, Roux	Baroni/Boston
4:05 PM	7.3	Questions and Answers	Baroni/Boston
4:15 PM	7.4	Summary and Close	Baroni/Boston



October 26, 2022
9:00 am PT

AGENDA | 1.0 KEYNOTE ADDRESS: CHAD PREGRACKE

DATE: WEDNESDAY, OCTOBER 26, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 9:00 AM – 10:00 AM
ROOM: OLMSTED BALLROOM 04

Time			
9:00 AM	1.1	Call to Order and Opening Remarks/Antitrust Compliance Statement	Knieps
		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	Knieps
	1.3	From the Bottom Up: One Man’s Crusade to Clean America’s Rivers Chad Pregracke , founder, Living Lands & Waters	Pregracke
9:50 AM	1.4	Questions and Answers	Pregracke
10:00 AM	1.5	Summary and Close	Pregracke



October 26, 2022
10:15 am ET

AGENDA | 2.0 SPECIAL PRESENTATION: TREVOR BOYER, PH.D.

DATE: WEDNESDAY, OCTOBER 26, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 10:15 AM – 10:45 AM
ROOM: OLMSTED BALLROOM 04

Time			
10:15 AM	2.1	Introduction	Benavidez
	2.2	Building-Wide Urine Diversion: Radical Change in Incremental Steps	Boyer
		Trevor Boyer, Ph.D. , professor, School of Sustainable Engineering and the Built Environment, Arizona State University	
10:35 AM	2.3	Questions and Answers	Boyer
10:45 AM	2.4	Summary and Close	Boyer



October 26, 2022
10:45 am ET

AGENDA | 3.0 SPECIAL PRESENTATION: ESBER ANDIROGLU, PH.D.

DATE: WEDNESDAY, OCTOBER 26, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 10:45 AM – 11:45 AM
ROOM: OLMSTED BALLROOM 04

Time			
10:45 AM	3.1	Introduction	Desai
	3.2	Built Environment: The Next Generation Esber Andiroglu, Ph.D. , associate professor of practice, director of MS-CM program, Department of Civil & Architectural Engineering, University of Miami	Andiroglu
11:35 AM	3.3	Questions and Answers	Andiroglu
11:45 AM	3.4	Summary and Close	Andiroglu



October 26, 2022
11:45 am ET

AGENDA | 4.0 SPECIAL PRESENTATION: VERONICA BLETTE

DATE: WEDNESDAY, OCTOBER 26, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 11:45 AM – 12:15 PM
ROOM: OLMSTED BALLROOM 04

Time			
11:45 AM	4.1	Introduction	Wang
	4.2	An Update from WaterSense Veronica Blette , chief, WaterSense Branch, EPA Office of Wastewater Management	Blette
12:10 PM	4.3	Questions and Answers	Blette
12:15 PM	4.4	Summary and Close	Blette



October 26, 2022
1:15 pm ET

AGENDA | 5.0 SPECIAL PRESENTATION: MAHESH C. GUPTA, PH.D.

DATE: WEDNESDAY, OCTOBER 26, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 1:15 PM – 2:00 PM
ROOM: OLMSTED BALLROOM 04

Time			
1:15 PM	5.1	Introduction	Way
	5.2	Operational Excellence: Theory of Constraints Perspective Mahesh C. Gupta, Ph.D. , professor, information systems, analytics and operations, University of Louisville	Gupta
1:50 PM	5.3	Questions and Answers	Gupta
2:00 PM	5.4	Summary and Close	Gupta



October 26, 2022
2:00 pm ET

AGENDA | 6.0 SPECIAL PRESENTATION: AUSTIN KISSINGER

DATE: WEDNESDAY, OCTOBER 26, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 2:00 PM – 2:45 PM
ROOM: OLMSTED BALLROOM 04

Time			
2:00 PM	6.1	Introduction	Lampen
	6.2	Addressing Inflation and Supply Chain Disruptions Austin Kissinger , associate, Foley & Lardner LLP	Kissinger
2:35 PM	6.3	Questions and Answers	Kissinger
2:45 PM	6.4	Summary and Close	Kissinger



October 26, 2022
3:00 pm ET

AGENDA | 7.0 SPECIAL PRESENTATION: CONNOR LOKAR

DATE: WEDNESDAY, OCTOBER 26, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 3:00 PM – 4:00 PM
ROOM: OLMSTED BALLROOM 04

Time			
3:00 PM	7.1	Introduction	Benavidez
	7.2	Preparing for Change	Lokar
		Connor Lokar , speaker and senior forecaster, ITR Economics	
3:50 PM	7.3	Questions and Answers	Lokar
4:00 PM	7.4	Summary and Close	Lokar



October 27, 2022
9:00 am ET

AGENDA | 1.0 SPECIAL PRESENTATION: TIM COSTELLO

DATE: THURSDAY, OCTOBER 27, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 9:00 AM – 9:45 AM
ROOM: OLMSTED BALLROOM 04

Time

9:00 AM	1.1	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 .	Knieps
	1.2	Introduction	Knieps
	1.3	Disruption: Surf or Suffer Tim Costello , chairman and chief executive officer, Builder Homesite, Inc.	Costello
9:35 AM	1.4	Questions and Answers	Costello
9:45 AM	1.5	Summary and Close	Costello



October 27, 2022
9:45 am ET

AGENDA | 2.0 SPECIAL PRESENTATION: BRIAN T. HAWKINS, PH.D. AND CLÉMENT CID, PH.D.

DATE: THURSDAY, OCTOBER 27, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 9:45 AM – 10:30 AM
ROOM: OLMSTED BALLROOM 04

Time			
9:45 AM	2.1	Introduction	Dickey
	2.2	Adventures in Onsite Waste Treatment: Lessons from Designing for Resource-Constrained Environments Brian T. Hawkins, Ph.D. , associate research professor, WaSH-AID, Duke University	Hawkins
10:05 AM	2.3	Questions and Answers	Hawkins
10:10 AM	2.4	Reinvented Toilets: Preparing the Regulatory Environment for Commercialization in the U.S. Clément Cid, Ph.D. , laboratory manager, California Institute of Technology	Cid
10:25 AM	2.5	Questions and Answers	Cid
10:30 AM	2.6	Summary and Close	Hawkins/Cid



October 27, 2022
10:30 am ET

AGENDA | 3.0 SPECIAL PRESENTATION: ERIC AUSTIN AND NICHOLAS BENZ

DATE: THURSDAY, OCTOBER 27, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 10:30 AM – 11:15 AM
ROOM: OLMSTED BALLROOM 04

Time			
10:30 AM	3.1	Introduction	Lagan
	3.2	Toilet Leaks: Early Detection & Preventing Water Loss Eric Austin , utilities advisor and account manager, and Nicholas Benz , vice president of operations, Sensor Industries	Austin/Benz
11:05 AM	3.3	Questions and Answers	Austin/Benz
11:15 AM	3.4	Summary and Close	Austin/Benz



October 27, 2022
11:15 am ET

AGENDA | 4.0 SPECIAL PRESENTATION: BARAK RANON AND NICK HARRIS

DATE: THURSDAY, OCTOBER 27, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 11:15 AM – 12:00 PM
ROOM: OLMSTED BALLROOM 04

Time			
11:15 AM	4.1	Introduction	Dickey
	4.2	Water from Air: How Technology Can Help Fight the Water Crisis Barak Ranon , president, and Nick Harris , vice president marketing and sales, Watergen Americas	Ranon/Harris
11:50 PM	4.3	Questions and Answers	Ranon/Harris
12:00 PM	4.4	Summary and Close	Ranon/Harris



October 27, 2022
12:00 pm ET

AGENDA | CLOSING CEREMONY

DATE: THURSDAY, OCTOBER 27, 2022
PLACE: OMNI LOUISVILLE HOTEL, LOUISVILLE, KY

TIME: 12:00 PM – 12:15 PM
ROOM: OLMSTED BALLROOM 04

Time		
12:00 PM	PMI22 Conference Summary	Kneips/ Gattone
12:15 PM	Close	Kneips/ Stackpole