2024 WateReuse Symposium

CALL FOR PRESENTATIONS: TECHNICAL PROGRAM

Deadline: September 14, 2023

YOU ARE INVITED

The WateReuse Association invites proposals for presentations at the 39th Annual WateReuse Symposium in Denver, Colorado, March 11-14, 2024.

Transform your ideas, best practices, and research about water reuse into a presentation for the 2024 WateReuse Symposium. Presentations are meant to spark imagination, encourage dialogue, and drive new solutions for greater adoption of water recycling. Demonstrate your thought leadership and build your professional network with a place on the podium at the 2024 WateReuse Symposium.

Submit a proposal for a presentation by **September 14, 2023** on our website:

www.watereuse.org/symposium

THE MOST IMPORTANT GLOBAL WATER REUSE EVENT

The Annual WateReuse Symposium is the premier conference on water recycling — attracting water professionals and water reuse practitioners globally for knowledge-sharing, networking, and training. Planned in collaboration with The Water Research Foundation, the WateReuse Symposium is the most comprehensive water recycling learning opportunity available, covering water reuse policy, technology, operations, communications, research, and more.

THEME: REMOVING BARRIERS, ELEVATING OPPORTUNITIES

The 2024 WateReuse Symposium is being planned around the theme, *Removing Barriers, Elevating Opportunities.* Our theme explores the extent to which water recycling is reshaping how communities and businesses think about water management, and in the process reshaping the systems used to manage water. We'll explore how emerging water recycling systems, practices, and policies are creating greater opportunities to improve overall stewardship of water resources, public health, and economic vitality. Together we can remove barriers and empower safer, more resilient, and more sustainable communities and businesses with water reuse.

This year, the Symposium will convene in Colorado: the first state to adopt comprehensive direct potable reuse regulations. Join us for tours of cutting-edge Colorado facilities, exciting downtown Denver networking, and presentations on topics from East to West – from regional mega-projects to building-scale and small community reuse solutions. Come and celebrate mile-high opportunities with WateReuse Association in Denver!

PROGRAM FOCUS AREAS AND SESSION TOPICS

WateReuse invites technical session proposals with a fresh point of view on the essential role of water recycling in the future of water management for communities and businesses. Proposals should address the Symposium theme – **Removing Barriers, Elevating Opportunities** – and align with one or more of the focus areas and subtopics listed below. **Emerging Research** topics will be considered in any focus area; submissions should indicate if the research is a Water Research Foundation project.

Advanced Digital Technology for Reuse Systems
- Cyber security
- Digital twins/advanced analytics/artificial intelligence – machine learning
- Enhanced monitoring sensors
- Implementation strategies
- Process design, optimization, and asset management

Advancing Reuse in Small or Underrepresented Communities
- Creative collaborations
- Environmental and social justice
- Innovative solutions
- Technical and funding considerations

Agricultural Reuse, Irrigation, and Non-potable Reuse
- Community resiliency/food security
- Design and operational innovations
- Funding considerations
- Seasonal storage
- Water quality standards

Beyond Water Scarcity: Unique Drivers for Water Reuse in Water Abundant Regions
- Augment wastewater treatment capacity
- Circular economy
- Protection of sensitive waterways and ecosystems
- Regulatory compliance
- Resiliency planning
- Saltwater intrusion
- Other drivers

Climate Resiliency and Adaptation
- Environmental restoration
- Future cities
- Innovative solutions

- Role of reuse in climate change mitigation and adaptation
- Reuse as a tool to reduce dependency on Colorado River
- Stormwater and urban runoff capture and use

Communications, Outreach, and Education
- Communication strategies related to public health (e.g., emerging contaminants)
- Education programs, demonstration projects, and learning centers
- External engagement and collaboration strategies
- Public health/medical community partnerships
- Social media campaigns promoting reuse

Developments in Potable Reuse and DPR Regulations
- Arizona
- California
- Colorado
- Florida
- Other States

Industrial and Commercial Reuse
- ESG goals and corporate water sustainability programs
- Private-public partnerships
- Reuse for cooling and boiler feed
- Reuse for process water
- Water-energy nexus

Integrated Water Resources Planning and Management
- Creative collaborations
- Innovative financing (e.g., PPP)
- One water planning
- Regional planning and funding strategies
- Stakeholder and interagency communication

PROGRAM FOCUS AREAS AND SESSION TOPICS *continued*

Onsite Reuse and Decentralized Systems
- Creative collaborations
- Design, operation, and maintenance (individual building or local scale)
- Integration with centralized systems
- Regulatory requirements
- Resource-oriented sanitation

Operations and Maintenance for Water Reuse Systems
- Advancements in process, operations, & energy efficiency
- Considerations for operating reuse treatment technologies
- Training and certificate requirements

Policies Advancing Water Recycling
- Federal funding programs
- Legal challenges & solutions
- National water reuse policies and programs (e.g., WRAP)
- Regulatory development

Potable Reuse Innovations and Research
- Enhanced process control optimization and monitoring
- Innovative treatment technologies and trains
- Pathogen and chemical control
- Reverse osmosis (RO) concentrate management
- Source control strategies

Recycled Water Program Management and Workforce Development
- Building local support for investment in water reuse
- Planning, design, construction, and project delivery approaches
- Operations and capacity building
- Management and operations' perspective on artificial intelligence/machine learning
- Workforce attraction, training & education

Water Reuse and Emerging Contaminants
- Antibiotic resistant microorganisms
- Microplastics and nanoparticles
- PFAS
- Other emerging contaminants of concern

Water Reuse in the Mile High City and the State of Colorado
- Case studies
- Funding opportunities
- Policies and regulations

Water Reuse around the World
- Creative collaborations
- Incentives and green credits
- Innovative solutions
- Policies and regulations
- PFAS international context

WATER REUSE TECHNOLOGY SHOWCASE

New this Year! During the Symposium's closing plenary on Wednesday, March 13, the WateReuse Association, in collaboration with the National Alliance for Water Innovation and the Water Research Foundation, will host a Technology Showcase spotlighting the top new and emerging technologies that could significantly improve and/or transform water recycling during the next five to fifteen years. We are interested in spotlighting innovative technologies that improve the efficiency or efficacy of treatment processes, collection or distribution processes, or residual management. Technology developers, researchers, academia and other technology providers are invited to submit proposals for selection.

WATEREUSE
2024 SYMPOSIUM
MARCH 10-13, 2024 | HILTON DENVER CITY CENTER

PREPARATION AND SUBMISSION GUIDELINES

WateReuse encourages proposals that include a diversity of voices, including water and wastewater utilities of all sizes, young professionals, and rural and urban communities.

Types of Presentations

WateReuse is accepting proposals for three types of technical presentations and the Technology Showcase at the 2024 WateReuse Symposium:

- **60-Minute Panel:** An interactive, in-depth 60-minute discussion of a single topic by multiple presenters. Panels consists of three to five panelists, including at least one utility representative.

- **30-Minute Presentation:** An in-depth technical presentation by one to two presenters.

- **Poster Presentation**: A visual presentation of a single research topic. An informal research poster session will be held in conjunction with networking events for viewers to ask questions.

- **NEW! Water Reuse Technology Showcase**: The showcase will spotlight top new and emerging technologies that could significantly improve and/or transform water recycling in the next five to fifteen years. The showcase takes place March 13.

Learning objectives

To comply with continuing education accreditation requirements, presentations must clearly define measurable learning objectives for attendees. Learning objectives should describe the information, skills, behaviors, or perspectives participants will acquire or outcomes and actions attendees will be able to demonstrate after attending your presentation. Examples:
- Attendees will be able to conduct a comprehensive cost-benefit analysis for proposed water reuse projects.
- Attendees will learn new ways to manage salinity.

Preparing a Proposal

Please gather the following information to prepare a presentation proposal:

- Title (up to 10 words or 80 characters)
- Summary (up to 50 words or 400 characters)
- Learning objectives (up to 100 words or 800 characters)
- Full presentation description (up to 500 words or 4000 characters)
- Contact information of the primary organizer, co-presenters, and co-panelists.
- List of co-authors (for reference)
  - Co-authors include only colleagues that will NOT be presenting the session. All others that will be presenting should be listed as co-presenters.

Please note that the WateReuse Association reserves the right to work with presenters to refine the title for communications purposes, and to reorganize submissions from singular 30 minutes submissions to panel groupings.

Presenter Registration

Presenters are responsible for registering in advance for the Symposium, paying the registration fee, and securing and paying for travel and lodging. All accepted speakers are eligible to register at the discounted speaker rate if registered by the speaker deadline date of **January 15, 2024**.

Presenter Commitment

Presenters must attend in person in Denver and agree that WateReuse Association can record presentations for an on-demand component. Presenters will be required to upload their presentations and/or supporting materials and resources prior to the Symposium. These valuable resources will then be posted for attendees to access beyond the session. If your proposal is selected, you will be provided with further instructions on uploading your presentation materials.

CRITERIA FOR EVALUATION

The WateReuse Technical Program Committee will review proposals for panels, presentations, and posters. Proposals will be evaluated based on relevance, appropriateness, and applicability to the Symposium theme and focus areas and overall clarity and quality.

Preferred proposals will include:

- Relevance to the Symposium theme and focus area(s).
- Speakers with valuable insight, both established experts and up and coming thought leaders.
- Partnerships between private entities and utilities.
- Diverse voices, particularly speakers from or who work in underserved communities.
- Audience engagement.

Key Dates

September 14, 2023	Proposals Due via Online Submission Form
November 10, 2023	Speakers Notified
January 15, 2024	Deadline for Speaker Registration Discount
February 16, 2024	PowerPoint Presentations Due
March 11-14, 2024	2024 WateReuse Symposium

FURTHER INFORMATION

Further information is available on watereuse.org. Presentation proposals will be accepted **here**.

Please direct all inquiries regarding this Call for Presentation to Monika Merk, Technical Program Manager, at mmerk@watereuse.org.