EUCI
ONLINE CONFERENCE

SMART WATER TECHNOLOGIES

March 30-31, 2021
Online | Central Time

"EUCI conferences provide outstanding training and knowledgeable course instructors for the energy sector. I have gained valuable knowledge that I've been able to use at my company to improve efficiency on projects!"

Project Manager II – ED Project Management, Tampa Electric

EUCI ONLINE CONFERENCE

EUCI is pleased to offer this virtual conference on its online interactive platform. Enjoy a valuable learning experience with a smaller impact on your time and budget. You will gain new knowledge, skills, and hands-on experience from the convenience of your remote location.

TAG US #EUCI #EUCIEvents
FOLLOW US @EUCIEvents

AUTHORIZED IACET PROVIDER

EUCI is authorized by IACET to offer 1.2 CEUs for this conference

OVERVIEW

Due to growing populations, increasing urbanization, climate change and the need to address cost have increased the demand for water. In addition, the cost implications from maintaining aging infrastructure has also become a driving factor for growth in the smart water management market. Owing to the global demand, the need to address the operational issues of water management becomes crucial. Consequently, the adoption of smart water management technologies is expected to gain traction. In this course, we will look at the entire water management ecosystem which includes: sensors, smart meters, communication infrastructure and supporting software to enable two-way communication, IoT and artificial intelligence.

Attendees will walk away with actionable information and take informed decisions, pertaining to optimized water distribution and usage.

LEARNING OUTCOMES

- Discuss the current market dynamics for water utilities and the impact on your business
- Review how to develop strategies for efficient water distribution networks
- Identify what smart technology priorities are for water companies
- Review ways to stop leakage
- Gain insight into regulators expectations
- Examine how AI, robotics and machine learning can benefit water companies

WHO SHOULD ATTEND

- Municipal Water & Wastewater Utilities
- Waste Management Organizations
- Water Facilities
- Water Management & Recycling
- Water Resource Planning and Engineering
- Public Officials and Utility Board Members
- Water Works Executives
- SCADA System Managers and Operators
- Water Quality Executives
- City Managers
- Local Governments/Cities

Titles Include:

- Chief Innovation Officer
- Chief Technology Officer
- Chief Data Officer
- Chief Information Security Officer

VPs / Directors / Managers / Heads of:

- Strategy & Planning
- Infrastructure
- Operations
- Water Leakage
- Smart Metering
- Innovation
- Customer Insight
- Data & Analytics
- Network Management
- Real-Time Monitoring Services
- Distribution Management
- Flow Meters and Meter Readers
- Smart Network Technologies
- Water Utilities Engineering
- Water Quality
- SCADA
- AMI
- Cybersecurity

AGENDA

TUESDAY, MARCH 16, 2021 – CENTRAL TIME

9:15 – 9:30 am **Log In and Welcome**

9:30 am – 4:30 pm **Conference Timing**

9:30 – 9:45 am **Introduction to Instructors**

9:45 – 10:30 am **Current State of the Water Industry Across the Globe**
To kick off this interactive course, we will take a deep-dive into the current state of the global water industry. As we look at the current state of affairs of the water industry, we will tackle various challenges, potential solutions and real-world case studies as to how different governments, public and private waterworks and wastewater companies have been tackling issues such as: replacing and repairing aging infrastructure, water quality, water leakage, flood monitoring, smart metering/AMI, SCADA modernization, IoT and AI, cybersecurity, and digital twins. We will look at the current market dynamics in areas such as:

- North America: US/Canada
- Europe
- Latin America
- APAC
- India

Sielen Namdar, Industry Solutions Executive, Global Water Lead, Cisco
Amir Cahn, Executive Director, SWAN Forum (Smart Water Networks Forum)
Wagner Oliveira de Carvalho, Senior Project Manager, Aegea Sanitation
Dave Kjendal, Chief Technology Officer & Chief Operating Officer, Senet

10:30 – 11:15 am **Driving Transformational Innovation in Water Utilities**

- Examine regulation as an enabler for innovation
- Create an environment that supports and promotes innovation
- Increase collaboration with regulators, other utilities, governments and the private sector
- Identify barriers to innovation

Sielen Namdar, Industry Solutions Executive, Global Water Lead, Cisco
Eric Bindler, Research Director, Digital Water Insight Service, Bluefield Research
Torri Martin, Deputy Commissioner, Office of Information Management, City of Atlanta, GA
Hardeep Anand, Deputy Director Capital Improvement Program, Miami-Dade Water and Sewer Department

11:15 – 11:20 am **Break**

11:20 am – 11:35 am **Environmental & Asset Monitoring: Leak Detection, Water Quality Monitoring, Flood Monitoring, Asset Monitoring**
Sielen Namdar, Industry Solutions Executive, Global Water Lead, Cisco

11:35 am – 12:35 pm **Leak Detection**

- Leak detection and location methods
- Basic mechanisms of bursts and leakage
- Laying leak-free new networks
- Water accounting and quantification
- Leakage innovation heatmapping

Rocky Smith, Industry Solutions and Water Lead Architect, Cisco
Ken Thompson, Global Technology Lead – IoT & Smart Sensors, Jacobs
Jason Wen, Director of Water Resources, City of Lakewood, CA

AGENDA

TUESDAY, MARCH 16, 2021 – CENTRAL TIME (CONTINUED)

12:35 – 1:30 pm **Lunch Break**

1:30 – 2:10 pm **Water Quality Monitoring**
- Water quality systems – drinking water
- Water quality sensors
- Water quality and distribution system optimization
- Using turbidity to control PRV's

Matt Rea, Strategic Partnership Manager, Opti
Brendt Thompson, General Manager, s::can
Meena Sankaran, Founder & CEO, KETOS
TBC, Utility

2:10 – 2:40 pm **Flood Monitoring/Asset Monitoring**
- Flood measurements
- Fleet monitoring
- Manhole covers

Karen Lindquist, Chief Operating Officer, Greenstream
TBC, Utility

2:40 – 2:45 pm **Break**

2:45 – 3:45 pm **Smart Water Metering – From Good Idea to Good Delivery**
- Start-up in Smart Metering: Moving on from trials
- Smart Metering Operations Centre
- Challenges and lessons learned
- Evolution and Future

Rocky Smith, Industry Solutions and Water Lead Architect, Cisco
Ken Thompson, Global Technology Lead – IoT & Smart Sensors, Jacobs
Andrew Lee, Deputy Director, Seattle Public Utilities

3:45 – 4:30 pm **Digital Twins**
Digital twins are a very powerful strategy that progressive water utilities are adopting. In this session, we will take a deep look at how a digital twin provides a virtual representation of a water system's physical assets, processes and systems. We'll look at such things as:
- The creation of a water system's digital twin
- Updating digital twins with virtual data
- The benefits of a digital twin from static 3D models
- The actionable insights digital twins provide utilities

Wagner Oliveira de Carvalho, Senior Project Manager, Aegea Sanitation
Jim Cooper, AVP & Global Lead - Intelligent Water, Arcadis
Gigi Karmous-Edwards, Digital Twin for Water Sector Technical Consultant, NEOM

4:30 pm **Day 1 – Wrap-Up**
Shirley Ben-Dak, VP Strategy & Innovation, SWAN Forum (Smart Water Networks Forum)

AGENDA

WEDNESDAY, MARCH 31, 2021 - CENTRAL TIME

9:30 – 9:45 am **Log In and Welcome**

9:45 am – 4:45 pm **Conference Timing**

9:45 – 9:50 am **Conference Kicks-Off**

9:50 – 10:15 am **Funding Your Smart Water Technology Projects**
Get a bit of insight as to how to best finance Smart Water projects and do an overall improvement to your water infrastructure.
Alex Shannon, Economist & Project Manager, HDR
Eric Bindler, Research Director, Digital Water Insight Service, Bluefield Research

10:15 – 11:00 am **SCADA Modernization**
Modernizing your Supervisory Control and Data Acquisition (SCADA) system is something that all water utilities should be looking at. Here we will look at such things as:
- Creating a comprehensive SCADA master plan
- Selecting your SCADA hardware, software and network platform
- Benefits to SCADA modernization
- Stories as to how organizations were able to upgrade their infrastructure more smoothly through a modern SCADA system

Rocky Smith, Industry Solutions and Water Lead Architect, Cisco
TBC, Utility

11:00 – 11:05 am **Break**

11:05 am – 12:10 pm **Cybersecurity: Protecting Your Smart Water Infrastructure**
Cybersecurity is something that organizations in all industries are focused on, and those concerns have increased as hackers and cyber attacks become more sophisticated. We will discuss top considerations for cybersecurity for water utilities and look at things such as:
- Attacks on personally identifiable information and ransomware attacks
- Protecting inventory assets & data and key systems like SCADA
- Managing vendors
- Deploying cybersecurity solutions
- The benefits of testing and training of all employees

Rocky Smith, Industry Solutions and Water Lead Architect, Cisco
Torri Martin, Deputy Commissioner, Office of Information Management, City of Atlanta, GA
Adi Karisik, Global Technology Leader, Jacobs

12:10 – 12:30 pm **Role of Data and Data Standardization in Driving Smart Water Solutions**
Smart water applications optimize the way water and wastewater services are used, allowing more efficient allocation of limited resources while adding flexibility to the system. One of the ways water utilities are focusing their efforts is through the use of data.
- Automation, real-time data capture techniques
- Methods for rapid interpretation of data
- Ways to monitor and act on this data to minimize costs and providing for efficient service

Billy Raseman, Assistant Engineer, Hazen and Sawyer

AGENDA

WEDNESDAY, MARCH 31, 2021 - CENTRAL TIME (CONTINUED)

12:30 – 1:15 pm **Lunch Break**

1:15 – 2:10 pm **Condition-Based Monitoring**
- The importance of condition-based monitoring for water utilities
- The adoption of smart monitoring technologies to reduce stress for water utility operators
- Where real-time condition monitoring can support utility businesses
- How to choose the right solution for your organization

Gary Wong, Principal, Global Water Industry, OSIsoft
Rocky Smith, Industry Solutions and Water Lead Architect, Cisco
TBC, Utility

2:10 – 2:15 pm **Break**

2:15 – 3:00 pm **Wireless Connectivity**
- Examining the importance of network design
- Flexible deployment models offered by forward thinking LoRaWAN network operators
- Discussing different network ownership models
- Determining if water utilities and municipalities should explore opportunities to deliver city-wide Internet of Things (IoT) services to better manage citizen services and provide a stronger infrastructure

Rocky Smith, Industry Solutions and Water Lead Architect, Cisco
Dave Kjendal | Chief Technology Officer & Chief Operating Officer | Senet

3:00 – 3:45 pm **Building Resilience for Water Utilities Leveraging Digital Transformation**
- Remote operations and monitoring
- Condition assessment
- Remote expert

Sielen Namdar, Industry Solutions Executive, Global Water Lead, Cisco
Hardeep Anand, Deputy Director Capital Improvement Program, Miami-Dade Water and Sewer Department
Andrew Lee, Deputy Director, Seattle Public Utilities

3:45 – 4:45 pm **Examining What the Future Holds for Water Utilities in Smart Water/ Customer Centricity/ Public & Private Partnerships**
Collaboration is king! Here we will share examples as to how waterworks & wastewater organizations are partnering with other government and private sector organizations as well as their customers to create a more seamless and smarter company.
Sielen Namdar, Industry Solutions Executive, Global Water Lead, Cisco
Shirley Ben-Dak, VP Strategy & Innovation, SWAN Forum (Smart Water Networks Forum)
Joone Lopez, General Manager, Moulton Niguel Water District

4:45 pm **Course Adjourns**

INSTRUCTIONAL METHODS

PowerPoint presentations and one panel discussion will be used in the program.

IACET CREDITS

EUCI has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, EUCI has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

EUCI is authorized by IACET to offer 1.2 CEUs conference

REQUIREMENTS FOR SUCCESSFUL COMPLETION

Participants must login for the entirety of conference to be eligible for continuing education credit.

ONLINE COURSE DELIVERY & PARTICIPATION DETAILS

EUCI is pleased to offer this virtual course on its online interactive platform. Enjoy a valuable learning experience with a smaller impact on your time and budget. You will gain new knowledge, skills, and hands-on experience from the convenience of your remote location.

We will be using Microsoft Teams to facilitate your participation in the upcoming event. You do not need to have an existing Teams account in order to participate in the broadcast – the course will play in your browser and you will have the option of using a microphone to speak with the room and ask questions, or type any questions in via the chat window and our on-line administrator will relay your question to the instructor.

You will receive a meeting invitation that will include a link to join the meeting.

Separate meeting invitations will be sent for the morning and afternoon sessions of the course. You will need to join the appropriate meeting at the appropriate time.

If you are using a microphone, please ensure that it is muted until such time as you need to ask a question.

The remote meeting connection will be open approximately 30 minutes before the start of the course. We encourage you to connect as early as possible in case you experience any unforeseen problems.

To Register Click Here,or

Mail Directly To:
PMA Conference Management
405 Highview Rd
Englewood NJ 07631
201 871 0474
Fax 253 663 7224
register@pmaconference.com

- ◯ **SMART WATER TECHNOLOGIES ONLINE CONFERENCE**
  MARCH 30-31, 2021: US $1295 (Single Connection)
- ◯ **PACK OF 5 CONNECTIONS:** US $5,180 *(20% Discount)*
- ◯ **PACK OF 10 CONNECTIONS:** US $9,065 *(30% Discount)*
- ◯ **PACK OF 20 CONNECTIONS:** US $15,540 *(40% Discount)*

Recording: Each event is recorded, and will be available for three business days. For registrants only.

ONLINE DELIVERY & PARTICIPATION DETAILS

EUCI will use Microsoft Teams to facilitate participation in the upcoming event. Attendees do not need to have an existing Teams account to participate in the broadcast. The course will play in attendee's browser. When attendees sign on, their microphones are typically muted. Attendees should keep their mic muted until such time as it's needed to ask a question. During the event, participants will have the option of using a microphone to speak with the room and ask questions, or type in any questions via the chat window and our online administrator will relay your question to the instructor.

- Each attendee will receive an event invitation by e-mail, which will include one link to sign on for each half-day of the event (i.e., three links for a 1 ½ day event). The appropriate link must be used to join each half-day event segment at the appropriate time.
- The remote meeting connection will open approximately 30 minutes before the start of the course. We encourage attendees to connect as early as possible in case of unforeseen problems.

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

Print Name | Job Title

Company

Address

City | State/Province | Zip/Postal Code | Country

Phone | Email

CREDIT CARD INFORMATION

Name on Card | Billing Address

Account Number | Billing City | Billing State

Exp. Date | Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx) | Billing Zip Code/Postal Code

OR Enclosed is a check for $ _____ to cover _____ registrations.

Substitutions & Cancellations
Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before February 26, 2021 in order to be refunded and will be subject to a US $195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices a
EUCI reserves the right to alter this program without prior notice.