



ENGINEERING &
RESEARCH
COMMITTEE



FEB
26

Seminar

AI & Machine Learning in Wastewater (Southern CA)

EVENT INFO

LOCATION

Irvine Ranch Water District -
The Duck Club
15 Riparian View
Irvine, CA 92612

DATE

Thursday, February 26, 2026

TIME

8:00 A.M. – 3:45 P.M.

REGISTRATION AND BREAKFAST

7:30 – 8:00 A.M.

PRICE

\$120 for Members
\$160 for Non-Members
\$20 for Student Members
\$40 for Student Non-Member

[REGISTER >](#)

REGISTER YOUR TEAM EARLY!

Deadline to register is **2/10/26**.

Register on CWEA's website
mycwea.org

Agenda Highlights

- **Artificial Intelligence (AI) Overview:** Terminology, tools, and basics to building AI.
- **Data & Information Management:** Using AI for O&M improvements.
- **Getting Started:** Easy ways to integrate AI for efficiency.
- **Case Studies:** Data management, analytics platforms, and design tools.

Earn up to **5.5 CWEA Contact Hours**.

Why Attend?

- Gain a comprehensive understanding of AI and Machine Learning in wastewater.
- Learn practical steps to implement AI tools today.
- Explore case studies, digital tools, and data analytics platforms.
- Participate in an interactive session to build your own basic AI program.
- Understand how AI can improve condition assessments, asset management, and operational efficiency.

Who Should Attend?

Planners, Engineers, Project Managers, Program Managers, Operators, Maintenance personnel, and other water/wastewater professionals interested in learning more AI and Machine learning.

Registration includes continental breakfast and lunch.

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Start Time	End Time	Event
7:30 AM	8:00 AM	Registration & Continental Breakfast
8:00 AM	8:10 AM	Welcome Oliver Saeby, CDM Smith – ERC; Alice Wang, HDR – SARBS
8:10 AM	8:55 AM	AI: From Basics to Building AI Applications Amber Boone, South Orange County Wastewater Authority (SOCWA)
8:55 AM	9:40 AM	Crawl, Walk, Run, Fly: A Roadmap to Real-World AI in Wastewater Peter Martin, Trinnex/CDM Smith
9:40 AM	10:25 AM	Beyond Black-Box AI: Practical Machine Learning for Wastewater Operations Chinmay N. Gaidhani, Black & Veatch
10:25 AM	10:40 AM	Break
10:40 AM	11:25 AM	Enhanced Data Retrieval in the Digital Age Nandita Ahuja, Hazen and Sawyer
11:25 AM	12:10 PM	From Problem Solvers to Problem Definers: Advancing AI in Water Management Amid Industry Transformation Roohi Toosi, APEX Environmental & Water Resources Lisa Haney, Orange County Water District
12:10 PM	1:25 PM	Lunch
1:25 PM	2:10 PM	Building a Defensible System of Record for Sewer Condition Assessment & Capital Planning Eric Sullivan & Nico West, SewerAI
2:10 PM	2:55 PM	Advancing Utility Adoption of AI and Large Language Models (LLMs) Klint Fletcher, Brown and Caldwell
2:55 PM	3:30 PM	Q&A with Speaker Panel
3:30 PM	3:45 PM	Closing Remarks, Feedback Survey, and Door Prizes! Nathan Chase, Brown and Caldwell – SARBS