ASCE American Society of Civil Engineers

Presents a seminar on:

# Artificial Intelligence (AI) in Civil Engineering

**Wednesday**
**October 15, 2025**

**an In-Person Seminar at the**

**Centerplace Regional Event Center**
**2426 North Discovery Place, Spokane Valley**

The ASCE Inland Empire Section is pleased to present a one-day workshop exploring Artificial Intelligence (AI) and its growing role in civil engineering. Learn how AI is shaping engineering workflows, decision-making, and future practice.

The seminar will include presentations on:

- AI Fundamentals – Background, key terms, and concepts
- AI in Practice – Hands-on applications with tools like Copilot, ChatGPT, and Perplexity, including custom GPTs for writing, brainstorming, and engineering workflows.
- Corporate, Policy, and Security – How organizations are addressing opportunities and risks
- Industry Examples – AI tools and real-world engineering solutions

Presenters for the workshop include:

- Joe Foote, PE, PMP, Parametrix
- Hunter Hawkins, UI PhD Researcher, Wapiti-Consulting
- Laz Martinez, City of Spokane
- Sushil Shenoy, PE, Cushing Terrell
- Kevin Yeoman, Coffman Engineers

This course qualifies for 6 PDH continuing education hours.

## ***Agenda***

**8:15 to 8:30** **Registration**

**8:30 to 8:40** **Welcome and Introduction**
*- Alan Gay, Coffman Engineers*

**8:40 to 9:20** **Introduction to AI**
*Joe Foote, Parametrix*

**9:20 to 10:00** **Corporate Approaches to Using AI**
*Kevin Yeoman, Coffman*

**10:00 to 10:20** **Break**

**10:20 to 11:30** **Overview of AI Assistants and Applications**
*Joe Foote, Parametrix*

**11:30 to 12:30** **Lunch**

**12:30 to 1:20** **Explainable AI Solutions for Industry and Water**
*Hunter Hawkins, UI PhD Researcher*

**1:20 to 2:20** **AI Tools and Agents in Practice**
*Sushil Shenoy, Cushing Terrell*

**2:20 to 2:40** **Break**

**2:40 to 3:30** **AI Policy and Security Concerns**
*Laz Martinez, City of Spokane*

**3:30 to 4:00** **Roundtable Discussion: Engineering Ethics RE: ASCE/ACEC**

## ***Speaker Bios***

**Joe Foote, PE, PMP** earned his degree in Civil Engineering from Walla Walla University and currently serves as a Principal Consultant within Parametrix's Water Division in Spokane. As a professional civil engineer, his focus is in supporting municipal water and wastewater infrastructure projects. He is interested in exploring ways to apply AI to enhance engineering workflows, improve infrastructure resilience, and support data-driven decisions in the public utility sector. He has earned certifications in No-Code AI and Machine Learning, Building Data Science Solutions, Generative AI Overview for Project Managers through PMI, and Artificial Intelligence Fundamentals through IBM SkillsBuild.

**Hunter Hawkins** is a PhD candidate at the University of Idaho CDA focusing on explainable AI solutions for various industries including both water and wastewater. He has bachelor's degrees in computer science and mathematics, and has a master's degree in computer science where he focused on practical smart city projects for rural communities. In addition to school for the past 5 years he has worked for Wapiti-Consulting focusing on software development and before that he worked for NASA on the Artemis mission.

**Laz Martinez** is the City of Spokane's Information Technology Director and Chief Information Officer. He has been with the City of Spokane since 2019, when he started as IT Manager for Public Works. He is responsible for implementation of the City's Artificial Intelligence Policies for guidelines and regulations for use of AI. Prior to his time in Spokane, he worked as Assistant Director and Chief Technology Officer for the City of Lakeland, Florida. He started his local government career as a Helpdesk Engineer for the City of Miami.

**Sushil Shenoy, PE** is an associate and structural engineer with multidisciplinary design firm, Cushing Terrell. Licensed in seven states and with more than 14 years of structural engineering experience as well as business operations experience, his current focus is serving as a leader of the technology team at Cushing Terrell. This team is responsible for supporting the firm's overall understanding, adoption, problem-solving, and research as it relates to how technology tools, including AI, can impact the firm's overall performance. Sushil finished his undergrad degree at Gonzaga University and graduate degree at Virginia Tech and is an adjunct professor at Gonzaga.

**Kevin Yeoman** earned his degree in Mechanical and Aerospace Engineering from Montana State University and currently serves as a Senior Engineer for the Industrial Machine Design department at Coffman Engineers in Spokane, WA. His work focuses on the design and repairs of manufacturing equipment and cranes, with a strong interest in data analysis and its applications in engineering. Kevin is particularly excited to leverage AI tools to enhance technical analysis and writing documentation, through the development of custom AI agents.

## Registration

***Cost:*** **$135.00** (includes lunch!) Regular registration October 8, 2025. Please note that you will also be charged a $10.90 processing fee by Eventbrite, resulting in a total fee of $145.90
Full time students are entitled to a reduced enrollment fee of $50.00 plus an estimated Eventbrite charge of $4.00.
A late fee of $375 will be in effect after regular registration closes, subject to available space. The estimated Eventbrite fee would be $30.00.

### *Centerplace Regional Event Center*

2426 North Discovery Place, Spokane Valley, WA 99216
Free parking with over 400 spaces adjacent to building.

### *Deadline Notice:*

To ensure participation, enroll early.
Regular Registration will close on October 8, 2025.
Late fees will be charged thereafter.

### *Registration Process:*

Go to https://ascetechnicalseminar.eventbrite.com to register and provide payment

### *Lunch Selection:*

Sandwich/Salad Combination box lunches will be provided by LeCatering.
Gluten Free, Vegetarian, and Vegan options are available, please make selections through the Eventbrite registration process.

### *Education Credit:*

0.6 CEUs (6 PDHs) for attendance of this course.

### *For more Information:*

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