CalGeo
The California Geotechnical
Engineering Association

AI Meets Soil: Redefining Liquefaction Analysis with GeoLiquefy
Tuesday, August 19 | 11:00 am - 12:00 pm Pacific | Virtual

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- **Introducing GeoLiquefy:** What it is and why we built it – solving the ambiguity in traditional liquefaction assessments.

- **Live MVP Demo:** Showcase of GeoLiquefy's AI-powered liquefaction risk predictions using minimal inputs.

- **Focus on Liquefaction Triggering and Mitigation:** How the tool addresses both prediction and proactive design recommendations.How We're Different: Comparison with generic LLMs (ChatGPT, Gemini, Grok) – why domain-specific grounding matters.

- **Behind the Model:** Overview of how we combine geotechnical science with transformer-based AI.

- **The Future Vision:** Automated, end-to-end geotechnical report generation – from input to PDF, with figures, calculations, and justifications.

- **Open Discussion:** How such tools can support practicing engineers and regulators – feedback invited.

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Founder
GeoLiquefy