

# **Joel Conte**

**Professor, Structural Engineering at UC San Diego**

La Jolla, CA, US

Joel Conte specializes in the design of safer and more economic structures, especially regarding earthquakes.

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## **Biography**

Conte is the principal investigator for UC San Diego's NSF-funded shake table, the largest outdoor shake table in the world. He is a member of the American Society of Civil Engineers (ASCE) and the Earthquake Engineering Research Institute. He is also a member of the Chi Epsilon civil engineering honor society. Conte's work focuses methodologies for probabilistic performance assessment of civil structures. He develops complex computer models that combine data from experimental testing in the laboratory and field data from real structures. His research leads to the design of safer and more economic structures, especially regarding earthquake hazards. He is also developing methods based on sensor arrays and system identification techniques to detect and identify sudden hidden damage or progressive deterioration in civil infrastructure systems.

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## **Areas of Expertise**

Computer Modeling and Simulation, Earthquake Engineering, Structural Analysis, Earthquake, Bridges, Risk Analysis, Civil Engineering

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## **Affiliations**

PI on key NSF grants supporting earthquake shake table at UC San Diego, Member, American Society of Civil Engineers (ASCE) , Member, Earthquake Engineering Research Institute

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## **Education**

**University of California, Berkeley**

Ph.D.

**University of California, Berkeley**

M.S.

**Swiss Federal Institute of Technology, Lausanne, Switzerland**

Diploma of Civil Engineering

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## **Accomplishments**

**James H. Robbins Excellence-in-Teaching Award, Pacific District, Chi-Epsilon**  
2000-2001

**Member, Chi Epsilon Civil Engineering Honor Society**  
1995

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