

GEOLOGY FOR GEOTECHS

SESSION 4: ROCK MECHANICS

MONDAY, NOVEMBER 16

11:00 AM - 1:00 PM PACIFIC | VIRTUAL

This short course will review the characteristics and properties of rock mass discontinuities formed by joints, fractures, and faults. The strength properties and orientations of discontinuities will be used to assess planar, wedge, and toppling failure modes in rock slopes. The basic principles of the Block Theory and Block Removability will be applied to assess potentially dangerous zones in underground engineered structures that are subject to collapse.

Robert Kayen, PhD, teaches Engineering Geology as part of the faculty of Civil and Environmental Engineering at UC Berkeley. He is President of Geosystems Engineering International Corp, an engineering consulting company in Oakland. He is retired after forty years as a Senior Research Scientist at USGS. A founding member of the National Science Foundation's GEER, he will focus his talk on the role of rock-mass structures and their discontinuity orientations in engineering failure mode analysis.



REGISTER

Members	\$50
Nonmembers	\$100
Students	\$25



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