

## **Derek Elsworth**

Derek Elsworth is a Professor in the Departments of **Energy and Mineral Engineering** and of **Geosciences** and the **Center for Geomechanics, Geofluids, and Geohazards at Penn State**. His interests are in the areas of computational mechanics, rock mechanics, and in the mechanical and transport characteristics of fractured rocks, with application to geothermal energy, the deep geological sequestration of radioactive wastes and of CO<sub>2</sub>, unconventional hydrocarbons including coal-gas, tight-gas-shales and hydrates, and instability and eruption dynamics of volcanoes.

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