

## Geosymposium Valley of Fire and Lake Mead Field Trip April 19, 2014



Depart from UNLV Lilly Fong Geoscience (LFG) parking lot at 8:30 am and return to UNLV around 4:30 pm. Dr. Steve Rowland, Professor of Geoscience, will lead the field trip. Refreshments will be provided, and a picnic lunch will be served at Valley of Fire State Park.

- Stop #1 – Valley of Fire State Park (9:30-11:30 am)  
Valley of Fire State Park is the oldest and largest state park in Nevada. The famous red Jurassic sandstones contain ancient sand dunes, dinosaur tracks and other interesting rock formations surrounded by Paleozoic limestone mountains. Complex uplifting and faulting in this region, followed by extensive erosion, has helped shape the unique landscape.
- Stop #2 – Cleopatra Wash (12:00 – 3:00 pm)  
Cleopatra Wash, located off of Northshore Rd. in Lake Mead National Recreation Area, is a Miocene stratovolcano that formed during a time of extensive mountain-building in the Basin and Range Province. This volcano was displaced ~19km by a left-lateral fault 13 million years ago.

