Santa Fe Science Café For Young Thinkers

"The Climate-Energy Challenge"

Daniel P. Schrag, Harvard University

Monday, September 10
6 – 8 PM
Georgia O'Keeffe Museum Education Annex
123 Grant Street, Santa Fe

The increase in atmospheric CO2 due to burning coal, oil and gas represents an unprecedented experiment on the Planet Earth. We know from air bubbles trapped in ice cores that CO2 has never been higher than 300 parts per million in the last 650,000 years, and from indirect measurements, we think it was not significantly higher than this for tens of millions of years. Geologic records of climate change, as well as observations of neighboring planets, provide a variety of important lessons that can guide us in evaluating the risks of future climate change. The good news is that meeting the world's energy needs with new technologies that will minimize climate impacts is possible, but we need to start now.

Admission is Free. Youth (ages 13-19) seating a priority. Light refreshments will be served.

The Café is sponsored by the Santa Fe Alliance for Science, the Santa Fe Institute, the Santa Fe Public Schools, the Georgia O'Keeffe Museum and the N.M. Public Education Department.

Professor Schrag will also appear on The Santa Fe Radio Café with host Mary-Charlotte Domandi at 8 am on Tuesday, September 11, on KSFR 101.1 FM, streaming on the web live at http://www.ksfr.org.

Professor Schrag is Professor of Earth and Planetary Sciences and Professor of Environmental Science and Engineering at Harvard University.