



# San Joaquin Geological Society

**Date:** **Wednesday, March 21, 2012**

**Time:** **11:30-12:10** Lunch Buffet  
**12:15-1:30** Speaker

**Place:** **Petroleum Club 12<sup>nd</sup> Floor**  
**5060 California Ave**

**PSAAPG Members & Mesozoic's**  
**\$25 w/reservation**  
**\$30 without reservation**

**Non PSAAPG Members**  
**\$30 w/reservation**

**Full-time Students with ID:**  
**Free, Courtesy of Chevron & Occidental**

## SJGS WEBSITE

<http://www.SanJoaquinGeologicalSociety.org/>

## SJGS OFFICERS

### PRESIDENT

**Tim Elam**

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## Energy and Complexity:

### A Discussion of Global Energy Issues

#### Abstract:

In this age of increasing complexity, it is ever more important to understand the nature of the drivers, structures, and intersections involved in meeting future global energy supply and demand. Dr. Paul will discuss these topics in his talk entitled "Energy and Complexity". This highly relevant and topical presentation will include details such as the realities of oil supply; evolution of fuel and power systems; and the impacts of geopolitics and technology.

**DR. DONALD L. PAUL:** Executive Director of the University of Southern California Energy Institute and William M. Keck Chair in Energy Resources, Research Professor of Engineering, Research Professor of Earth Science, and Research Professor of Policy, Planning, and Development.

**Previous positions:** Thirty-three career with the Chevron Corporation, retiring in June 2008. 1997-2008: Vice-President and Chief Technology Officer, Chevron Corporation: Senior officer responsible for all of Chevron's research, technology, and technical support functions including exploration, production, refining, information technology, and emerging energy technologies. Global compliance officer for cybersecurity design, implementation, and operation. Founded Chevron Technology Ventures, a wholly-owned venture capital subsidiary to invest in and commercialize emerging and renewable energy technologies. He was the Chevron executive primarily responsible for research and technology interactions with governments, universities, private sector companies, and professional societies. 1994-1997: President and Director, Chevron Canada Resources, Ltd: CEO of Chevron's Canadian subsidiary for exploration, production, infrastructure, and resource marketing operations. With partners, oversaw construction and development of the giant Hibernia oil field, the first and largest in Atlantic Canada. 1992-1994: President, Chevron Petroleum Technology Company: Architect and founding president of Chevron's integrated upstream research and Technology Company.

**Current advisory roles:** Senior Advisor, Center for Strategic and International Studies, Washington D.C.; MIT Corporation Visiting Committees; MIT School of Science Dean's Advisory Council; Schlumberger Corporation Technology Committee; Geology Foundation Advisory Council, University of Texas; Board of Counselors, Viterbi School of Engineering, USC; U.S. DOE / ARPA-E; Belfer Center / Kennedy School of Government, Harvard University. **Past advisory roles:** NRC / TRB study on the U.S. transportation system (2008-2010); 2007 NPC study on the future of energy demand and supply; DOE FreedomCar and Fuel Board (2004-2008); Chairman of the Advisory Board for the School of Earth Science, Stanford University; 1997 PCAST study on energy R&D.

**Education:** BS (Applied Mathematics), MS, and Ph.D. (earth science) degrees from MIT; Honorary Doctorate in Geological Engineering, Colorado School of Mines (2009); Executive Management Program, University of Michigan Business School (1996).

## \* **RSVP** \*

**By: Monday, March 19, 2012**

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