

# The American Institute of Chemical Engineers

## AIChE-NM

### February Meeting

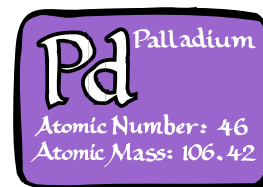
**WHEN:** Wednesday, February 6, 2008, 5:30 p.m.

**WHERE:** Flying Star, Downtown  
723 Silver Avenue NW

**COST:** \$20 Professionals  
\$15 Collegiate

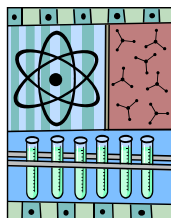
**TOPIC:** Synthesis and Activity of Palladium  
Nanoparticle Catalysts

**SPEAKER:** Patrick D. Burton,  
Chemical and Nuclear Engineering,  
University of New Mexico



Collegiate Member, Mr. Patrick Burton, will present the results of the synthesis of colloidal monodisperse Palladium (Pd) nanoparticles supported on aluminum oxide ( $\text{Al}_2\text{O}_3$ ) that retain their size distribution and exhibit remarkable thermal stability after becoming catalytically active for carbon monoxide oxidation. This synthesis provides a method for preparing well-defined catalysts that can provide improved activity and selectivity.

This work has been supported by the United States Department of Energy, Office of Basic Engineering Sciences, under contract with the University of New Mexico and Sandia Laboratories.



Please RSVP by February 4, 2008, to:  
Kerrie Greenfelder ([greenfelderkl@cdm.com](mailto:greenfelderkl@cdm.com) / 243-3200)