

## **2012 Outstanding Paper and Poster Awards**

### **Outstanding Technical Paper**

*“The Pittsburgh Aerosol Research and Inhalation Epidemiology Study (PARIES): A Retrospective Evaluation of Fine Particulate Matter, its Chemical Components, and Human Health in Southwestern Pennsylvania”*

Daniel P. Connell, CONSOL Energy Inc.; Richard A. Bilonick, Evelyn O. Talbott, Judith R. Rager, University of Pittsburgh, USA

### **Honorable Mention Technical Paper**

*“ReaxFF Molecular Dynamics Pyrolysis Simulations of a Large-Scale Model of Illinois no. 6 Coal Including the Role of Organic Sulfur”*

Fidel Castro-Marcano, Adri C.T. van Duin, Jonathan P. Mathews, The Pennsylvania State University, USA

### **Honorable Mention Technical Paper**

*“CCUS Demonstration Project at WA Parish Station - Results of FEED Study”*

David J. Stopek, Roger Smith, Sean McHone, Sargent & Lundy LLC; Anthony Armpriester, PetraNova, LLC, USA

**Outstanding Poster**

*“Modeling Analysis of CO<sub>2</sub> Sequestration in Saline Formation Using Artificial Intelligence Technology”*

Vida Gholami, Shahab D. Mohaghegh, West Virginia University, USA

**Honorable Mention Poster**

*“Mercury Emission from Co-Combustion of Coal and Sludge in a Drop Tube Furnace”*

Sang-Sup Lee, Sin-Wook Kang, Chungbuk National University; Sang-Hyun Jeong, Sung-Hoon Shim, Korea Institute of Machinery and Materials, KOREA

**Honorable Mention Poster**

*“Effects of Nitrogen and Sulfur on Coal Fluidity During Carbonization”*

Yuuki Mochizuki, Naoto Tsubouchi, Hokkaido University; Yohei Ono, Mitsubishi Chemical Corporation; Kazuya Uebo, Sumitomo Metal Industries, Ltd., JAPAN