

## PITT AWARD

The Annual Award for Innovation in Coal Conversion, also known as the **Pitt Award**, was founded by the Department of Chemical and Petroleum Engineering of the University of Pittsburgh in 1983 through the support of the following companies: Air Products and Chemicals, Inc.; Consolidation Coal Company; Gulf Research and Development Company - Synthetic Fuels Division; and Westinghouse Electric Corporation.

Since 1992, the award has been fully funded by CONSOL Energy Inc. The purpose of this award is to honor an individual each year, which has made a recent and significant contribution to the new technologies, new procedures or new policies toward coal utilization.

### PITT AWARD RECIPIENTS

1987	William B. Krantz, University of Colorado
1988	Seymour B. Alpert, Electrical Power Research Institute
1989	John P. Murtha, Congressman, U.S. Congress
1990	Flynt Kennedy, Consolidation Coal Company
1991	Robert E. Lumpkin, Amoco Corporation
1992	Sun W. Chun, PETC, U.S. Department of Energy
1993	James J. Markowsky, AEP Service Corporation
1994	Thomas F. Bechtel, METC, U.S. Department of Energy
1995	Adel F. Sarofim, Massachusetts Institute of Technology
1996	Donald M. Carlton, Radian International LLC
1997	David H. Pai, Foster Wheeler Development Corporation
1998	Masakatsu Nomura, Osaka University, Japan
1999	Frank Derbyshire, CAER, University of Kentucky
2001	Terry Wall, University of Newcastle, NSW, Australia
2002	Rita Bajura, NETL, U.S. Department of Energy
2003	Francis Lau, Institute of Gas Technology
2004	Baoqing Li, Chinese Academy of Sciences, China
2005	Kouichi Miura, Kyoto University, Japan
2006	Charles H. Goodman, Southern Company
2007	Ben Jager, Sasol Technology, South Africa
2008	Liang-Shi Fan, The Ohio State University
2009	Michael J. Mudd, The FutureGen Alliance
2010	Güven Önal, Istanbul Technical University, Turkey
2011	Michael G. Morris, American Electric Power, Columbus, OH
2012	Richard L. Lawson, Energy, Environmental and Security Group, Ltd.
2013	Ke Liu, Shenhua Research, China
2014	Ben Yamagata, Coal Utilization Research Council (CURC)
2015	Rainer Reimert, Karlsruhe Institute of Technology (KIT)

The 2016 Recipient  
**Johan van Dyk**



**Africary**  
**South Africa**

Dr. Johan van Dyk is an internationally leading expert in Coal Chemistry and a renowned Coal Gasification specialist. His professional career was developed over almost two decades at Sasol Technology (South Africa), where his keen scientific knowledge and passion rocketed him into the highest ranks as a Technical Leader at Sasol Technology's R&D unit. In 1995, Johan was the Chief Scientist of Sasol Gasification R&D function and by the end of 2013, he was the "Technical Lead" for Sasol's Gasification R&D Coal Science. His leadership helped Sasol optimize its world class gasification systems. Johan has also been the technical lead for several Sasol's Coal-to-Liquid project evaluation studies. His outstanding background and international R&D track record have been the drive for successful commercialization of various gasification projects at Sasol, North Dakota, Vresova, assistance in coal source selection to Jindal Steel and Power (Angul Gasification Plant India), Coal India and Africary (the Theunissen UCG project in South Africa). Since September 2103, Johan has been the Technology Manager at Africary, where he is aggressively promoting the commercialization of the UCG mining process.

Johan has published over 90 papers, holds 8 patents and has been participating at different capacities in numerous organizations in South Africa, including: Technical Advisory Member to the Minister of Energy and Department of Energy; Member of the Coal Processing Society; and Board Member of the South African Underground Coal Gasification Association; Associate Professor at North-West University; Study leader at University of Free State, Stellenbosch University and North-West University. In addition, he is serving as an Advisory Board Member for Virthucon (Freiberg University Germany), and as the international vice chair for International Pittsburgh Coal Conference.

Johan holds BS in Chemistry/Computer Science and Honors BS in Chemistry from Potchefstroom University for CHE; MS (Eng.) from University of Witwatersrand (WITS); and PhD in Minerals Engineering from North-West University, Potchefstroom, South-Africa.

*2016 Annual*

***PITT AWARD PROGRAM***



**Thirty-Third Annual International  
Pittsburgh Coal Conference  
August 8 - 12, 2016  
Cape Town, SOUTH AFRICA**

**University of Pittsburgh  
Swanson School of Engineering**

**Presented at the Awards Luncheon**

**Friday, August 12, 2016**

**Cape Town International Convention Center  
Cape Town, SOUTH AFRICA**