

PITT AWARD

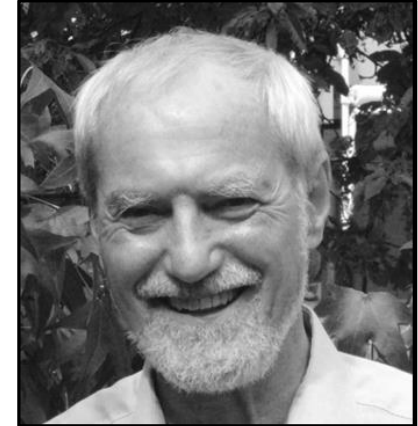
The Annual Award for Innovation in Coal Conversion, also known as the **Pitt Award**, was founded by the Department of Chemical and Petroleum Engineering of the University of Pittsburgh in 1983 through the support of the following companies: Air Products and Chemicals, Inc.; Consolidation Coal Company;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

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| 1986 | W. Robert Epperly, Exxon Corporation |
| 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) |

The 2015 Recipient
Rainer Reimert



**Karlsruhe Institute of
Technology (KIT)**

Prof. Dr.-Ing. Rainer Reimert has been pioneering advances in power and coal gasification technologies since 1974, when he joined the Lurgi Company in Frankfurt, Germany and started his career in the Development Department ultimately leading to the Senior Vice President of the Process Development Division. He was involved in the first of its kind IGCC plant, with 170 MW rated power, based on five Lurgi Pressure Gasifiers installed in the Lünen Power Station in Germany. He was a vital member in the operation, process evaluation and scaleup of Lurgi's SNG pilot plants, the hydrogasification of German Lignite in a 100 bar fluidized bed gasifier and the 100 bar Lurgi gasifier for bituminous coal. These gasifiers were developed with partners from the coal, the power and the gas industry in response to the 1973 oil embargo. He also led the CFB technology transfer developed at Lurgi for coal-fired power plants to the gasification of coal and/or biomass for syngas and fuel gas production.

Prof. Dr.-Ing. Rainer Reimert served as the chair for Fuel Technology in the Chemical & Process Engineering Department at the Universität Karlsruhe, Germany from 1994 to 2010, where he taught many courses, such as coal and gas technology and project management. He also conducted leading research in diverse areas, including biomass, fuel cells, methane production and basic science. He served as a member of the Executive Board of the Environmental Research Centre, Universität Karlsruhe from 1996 through 1999, and acted as the Board's spokesperson from 2000 to 2006. He also served as the President of the Supervisory Board of the European Institute for Energy Research from 2001 to 2014. He has been an affiliated professor at KTH Stockholm since 2011, and despite his retirement in 2010, he remains an active consultant to the University and numerous industrial organizations and companies.

Rainer Reimert studied process engineering at the Technical University of Berlin where he stayed for another five years to earn his Doctoral degree.

2015 Annual

PITT AWARD PROGRAM



P C C



**University of Pittsburgh
Swanson School of Engineering**

Presented at the Awards Luncheon

Thursday, October 8, 2015

**David Lawrence Convention Center
Pittsburgh, PA, USA**

**Thirty-Second Annual International
Pittsburgh Coal Conference
October 5 - 8, 2015
Pittsburgh, PA, USA**