

2017 Annual

PITT AWARD PROGRAM



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**University of Pittsburgh
Swanson School of Engineering**

Presented at the Awards Luncheon

Friday, September 8, 2017

**Sheraton Pittsburgh Hotel at Station Square
Pittsburgh, PA, USA**

**Thirty-Fourth Annual International
Pittsburgh Coal Conference
September 5 - 8, 2017
Pittsburgh, PA, USA**

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 at 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, who 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)
2016	Johan van Dyk, Africary, South Africa

The 2017 Recipient

The Honorable
Robert H. Gentile



The Honorable Robert H. Gentile is the President/Chief Executive Officer of Leonardo Technologies, Inc. (LTI), a position he has held since 1999 when he formed the company. LTI is an engineering, strategic thinking, and energy technology company providing services to both private and government entities. Mr. Gentile also formed Atlantic Partners in 1991 and has served as its Managing Partner to the present. Mr. Gentile served as Vice President – International for KFX, Inc., from 1995 – 1997. During his time with KFX, Mr. Gentile developed international projects to beneficiate low-rank fuel for power generation for utilities, independent power producers and cogenerators, and for fuels for district heating.

Mr. Gentile served as Assistant Secretary for Fossil Energy, Department of Energy from 1989 – 1991. At the time, the Fossil Energy program had a \$3.5 billion operating budget with an asset portfolio valued at \$13 billion. The Fossil Energy program included the U.S. Government's programs to develop advanced coal, petroleum, and natural gas technologies, including the \$7 billion Clean Coal Technology Program. He managed the U.S. Government's fossil fuel research programs carried out by universities, private industry, and federal laboratories. He also managed the Strategic Petroleum Reserve and oversaw the first commercial drawdown of strategic oil stocks during the first Gulf War.

Mr. Gentile was the Director of the Office of Surface Mining and Reclamation and Enforcement at the Department of Interior (1988-1989) and Liaison for Coal Affairs (1986-1987) to both the Secretary of the Interior and the Interior Department's Assistant Secretary for Land and Minerals Management. From 1982 to 1986, he was Chief Executive Officer of The Ohio River Collieries Group, a consortium of companies conducting coal operations, construction and land development, and coal transportation operations in eastern Ohio, West Virginia and Oklahoma. For 7 years prior to that, he was President of N&G Construction Company (another coal company) which became part of the Ohio River Collieries Group.

Mr. Gentile holds a B.A. in political philosophy from Franciscan University and an M.B.A. in international trade and finance from the University of Toledo. He speaks several languages and has worked in over 40 countries. He serves as a Director of the International Energy Agency's Coal Industry Advisory Board and serves on the U.S.-Turkey Business Development Council, U.S. Department of Commerce. He was a Charter Member of the National Coal Council, a former Member of the Board of the National Mining Association, and Past President of the Washington Coal Club.