

# **Alcoa Foundation Engineering Research Awards 1978-2023**

**Distinguished** = The Alcoa Foundation Distinguished Engineering Research Award

**Achievement** = The Alcoa Foundation Engineering Research Achievement Award

## **2023**

Ismail Güvenç, Electrical and Computer Engineering, Distinguished

Milad Abolhasani, Chemical and Biomolecular Engineering, Achievement

## **2022**

Iqbal Husain, Electrical and Computer Engineering, Distinguished

Michael Kudenov, Electrical and Computer Engineering, Achievement

## **2021**

He (Helen) Huang, UNC / NC State Joint Department of Biomedical Engineering,  
Distinguished

Stefano Menegatti, Chemical and Biomolecular Engineering, Achievement

## **2020**

H. Christopher Frey, Civil, Construction, and Environmental Engineering, Distinguished

Fanxing Li, Chemical and Biomolecular Engineering, Achievement

## **2019**

Afsaneh Rabiei, Mechanical and Aerospace Engineering, Distinguished

Cranos Williams, Electrical and Computer Engineering, Achievement

## **2018**

Jason Haugh, Chemical and Biomolecular Engineering, Distinguished

Min Chi, Computer Science, Achievement

## **2017**

Michael Dickey, Chemical and Biomolecular Engineering, Distinguished

Zhen Gu, Biomedical Engineering, Achievement

## **2016**

Jan Genzer, Civil, Construction, and Environmental Engineering, Distinguished

Joseph DeCarolus, Chemical and Biomolecular Engineering, Achievement

**2015**

Youngsoo “Richard” Kim, Civil, Construction, and Environmental Engineering, Distinguished

Yong Zhu, Mechanical and Aerospace Engineering, Achievement

**2014**

Yuntian Zhu, Materials Science and Engineering, Distinguished

Joseph B. Tracy, Materials Science and Engineering, Achievement

**2013**

Donald Brenner, Materials Science and Engineering, Distinguished

Tiegang Fang, Mechanical and Aerospace Engineering, Achievement

**2012**

Richard Spontak, Chemical and Biomolecular Engineering, Distinguished

Michael Dickey, Chemical and Biomolecular Engineering, Achievement

**2011**

Veena Misra, Electrical and Computer Engineering, Distinguished

Michael Escuti, Electrical and Computer Engineering, Achievement

**2010**

Orlin D. Velez, Chemical and Biomolecular Engineering, Distinguished

Roger J. Narayan, Biomedical Engineering, Achievement

**2009**

Gianluca Lazzi, Electrical and Computer Engineering, Distinguished

Jon Paul Maria, Materials Science and Engineering, Achievement

**2007**

Greg Parsons, Chemical and Biomolecular Engineering, Distinguished

Jason Haugh, Chemical and Biomolecular Engineering, Achievement

**2007**

Mohammed A. Zikry, Mechanical and Aerospace Engineering, Distinguished

Ayman I. Hawari, Nuclear Engineering, Achievement

**2006**

George Roberts, Chemical and Biomolecular Engineering, Distinguished

David Kaber, Industrial and Systems Engineering, Achievement

**2005**

Paul D. Franzon, Electrical and Computer Engineering, Distinguished Andrey V.

Kuznetsov, Mechanical and Aerospace Engineering, Achievement

**2004**

Zlatko Sitar, Materials Science and Engineering, Distinguished  
George N. Rouskas, Computer Science, Achievement

**2003**

Michael B. Steer, Electrical and Computer Engineering, Distinguished  
Jan Genzer, Chemical Engineering, Achievement  
Gianluca Lazzi, Chemical Engineering, Achievement

**2002**

Saad A. Kahn, Chemical Engineering, Distinguished  
Veena Misra, Electrical and Computer Engineering, Achievement

**2001**

Ruben Carbonell, Chemical Engineering, Distinguished  
Yuan-Shin Lee, Industrial Engineering, Achievement

**2000**

Benny D. Freeman, Chemical Engineering, Distinguished  
Donald W. Brenner, Materials Science and Engineering, Achievement

**1999**

Wentai Liu, Electrical and Computer Engineering, Distinguished  
Greg Parsons, Chemical Engineering, Achievement

**1998**

Thomas A. Dow, Mechanical and Aerospace Engineering, Distinguished  
Y. Richard Kim, Civil Engineering, Achievement

**1997**

Klaus J. Bachmann, Materials Science and Engineering, Distinguished  
Saad A. Khan, Chemical Engineering, Achievement

**1996**

Ren C. Lou, Electrical and Computer Engineering, Distinguished  
Benny D. Freeman, Chemical Engineering, Achievement  
Richard J. Spontak, Materials Science and Engineering, Achievement

**1995**

B. Jayant Baliga, Electrical and Computer Engineering, Distinguished  
Russell E. King, Industrial Engineering, Achievement

**1994**

Carol K. Hall, Chemical Engineering, Distinguished  
W. Rance Cleaveland II, Computer Science, Achievement

**1993**

Paul J. Turinsky, Nuclear Engineering, Distinguished

Larry M. Silverberg, Mechanical and Aerospace Engineering, Achievement

**1992**

Robert J. Trew, Electrical and Computer Engineering, Distinguished

Shuaib Ahmad, Civil Engineering, Achievement

**1991**

Carl C. Koch, Materials Science and Engineering, Distinguished

Angus I. Kingon, Materials Science and Engineering, Achievement

**1990**

Chi C. (David) Tung, Civil Engineering, Distinguished

Peter K. Kilpatrick, Chemical Engineering, Achievement

**1989**

Salvatore Torquato, Chemical Engineering, Distinguished

John G. Gilligan, Nuclear Engineering, Achievement

**1988**

Salah M. Bedair, Electrical and Computer Engineering, Distinguished

K. Linga Murty, Nuclear Engineering, Achievement

**1987**

Hassan A. Hassan, Mechanical and Aerospace Engineering, Distinguished

Salvatore Torquato, MSE and CHE, Achievement

**1986**

Robin P. Gardner, Nuclear Engineering, Distinguished

Sherra E. Diehl, Electrical and Computer Engineering, Achievement

**1985**

Hans H. Stadelmaier, Materials Engineering, Distinguished

Hans Conrad, Materials Engineering, Achievement

**1984**

Robert F. Davis, Materials Engineering, Distinguished

**1983****1982**

James K. Ferrell, Chemical Engineering, Distinguished

Kerry Shuford Havner, Civil Engineering, Distinguished

Hayne Palmour III, Materials Engineering, Achievement

**1981**

Vivian Thomas Stannett, Chemical Engineering, Distinguished  
Robert Foster Davis, Materials Engineering, Achievement

**1980**

Franklin Delano Hart, MAE, Distinguished  
Harold Bruce Hopfenberg, Chemical Engineering, Distinguished  
Mehmet Necati Ozisik, Electrical Engineering, Achievement

**1979**

Paul Zung-Teh Zia, Civil Engineering, Distinguished  
Kerry Shuford Havner, Civil Engineering, Achievement

**1978**

Harold Bruce Hopfenberg, Achievement