



LEADERSHIP
Awards

2019 HONOREES



**Extraordinary
Innovation**

**Martin
Brudermueller**

Chairman and CTO,
BASF SE



**Outstanding Global
Growth**

Bob Patel

CEO
LyondellBasell

KEYNOTE



James Green

Chief Scientist
NASA

EVENT CO-CHAIRS



Wayne Smith

Member of the Board
of Executive Directors,
BASF SE



Duane Dickson

Vice Chairman
Deloitte

December 10, 2019 • 11:30 am – 2:30 pm Metropolitan Club



LEADERSHIP *Awards*

December 10, 2019

11:30 am – 2:30 pm

Metropolitan Club
1 E 60th St, New
York, NY 10022

Schedule

11:30 am - 12:00 pm

Registration

12 pm - 1 pm

Luncheon

1 pm – 2:30 pm

Awards Presentation

info@cmeacs.org

PROGRAM

REGISTRATION

LUNCHEON

INTRODUCTION

CME Host – George Rodriguez

Young Chemist – Chris Hillenbrand

Keynote – **Jim Green**

AWARDS PRESENTATION

Event Co-Chair – Wayne Smith

Innovation – **Martin Bruder Müller**

Event Co-Chair – Duane Dickson

Global Growth – **Bob Patel**

CLOSING REMARKS

CME Co-Chair – Steve Barnett

CME Co-Chair – Ksenia Takhistova

ANNUAL STEM AWARDS

Inspiring leadership has been the hallmark of the Chemical Marketing and Economic Group (CME), an industry-oriented topical group founded in 1954. Established in 2012, the Leadership Awards™ are the highest honors given by CME to leaders of industry, investments, and other sectors, for their contributions to science, technology, engineering and mathematics initiatives.

CME organizes monthly luncheons and webcasts where industry leaders present cutting-edge outlooks on energy, materials & life science.

The distinguished STEM Leadership Awards event is a fundraiser to help advance STEM programs focused on chemistry and industry.



LEADERSHIP Awards

PAST HONOREES

2018

Ed Breen
DowDuPont

Henry Kravis
KKR

James and Marilyn
Simons
Simons Foundation

2017

David Skorton
Smithsonian

Chris Pappas
Trinseo

John Keller
Shionogi Inc.

Roque Benavides
Buenaventura

2016

Len Blavatnik
Access Industries

JP Clamadiou
Solvay

David Cote
Honeywell

Charles Bolden
NASA

OUTSTANDING GLOBAL GROWTH



Bob Patel – CEO of LyondellBasell. In 2018, LyondellBasell, one of the largest plastics, chemicals and refining companies in the world, completed the acquisition of A. Schulman, Inc. expanding the company's reach into additional high-growth, high-margin end markets; broke ground on the world's largest propylene oxide and tertiary butyl alcohol (PO/TBA) plant; and plans to start up the world's first Hyperzone PE plant in 2019. Mr. Patel assumed the position of CEO in January 2015 after having served as executive vice president, Olefins and Polyolefins and previously senior vice president. Mr. Patel joined LyondellBasell in March 2010 and as executive vice president successfully led the restructuring of key company's O&P and Technology segments, focusing on achieving best-in-class operational and commercial excellence.

Mr. Patel was responsible for LyondellBasell's manufacturing facilities and commercial operations. In 2011, he led the effort to reposition the business, increasing overall competitiveness, efficiency and earnings. As CEO, Mr. Patel has focused on leading the next phase of the company's long-term growth strategy. Under Mr. Patel's leadership, LyondellBasell was named to Fortune Magazine's list of "World's Most Admired Companies" in 2018 and 2019.

Previously, Mr. Patel held positions at Chevron for more than 20 years. Mr. Patel is a member of the Business Council and The Business Roundtable. He previously served as the 2018 chairman of the American Chemistry Council. Mr. Patel serves on the board of Union Pacific Corporation. He earned a Bachelor of Science in chemical engineering from The Ohio State University and holds a Master of Business Administration from Temple University.



LEADERSHIP Awards

2015

Roy Vagelos
Regeneron/Merck

Erik Fyrwald
Univar

Scott Wolff
American Securities
Tracy Day and Brian
Green WSF

2014

Andrew Liveris
Dow Chemical

Thomas Connelly
DuPont

Thomas Kirchler
OEP/JPMorgan
Chase

2013

Jon M. Huntsman
Huntsman Corp.

Fernando Musa
Braskem

Peter and David
DeLeeuw
Lion Chemical
Partners

2012

Peter McCausland
Airgas

Juan Pablo
del Valle
Mexichem

John Televantos
Arsenal Capital
Partners

Chris Hillenbrand
Regis HS

EXTRAORDINARY INNOVATION



Martin Brudermüller – Chairman and Chief Technology Officer of BASF SE. Having lived in three continents and established an impeccable reputation as an innovation leader in various fields of chemistry, Brudermüller brings an exceptional global business and technology perspective to the chemical industry. As artificial intelligence plays an even larger role, Brudermüller's commitment to industry leadership is exemplified by the deployment of the most powerful computer in the chemical industry. At 1.75 quadrillion calculations per second, QURIOSITY – the new BASF super computer – accelerates discovery, makes manufacturing processes more efficient, optimizes logistics faster than ever before and supports completely new digital business models.

Brudermüller was born in Stuttgart, Germany, in 1961. He received his degree in Chemistry at the University of Karlsruhe, Germany, in 1985. After earning his doctorate in Karlsruhe in 1987, he did a postdoc at the University of California, Berkeley.

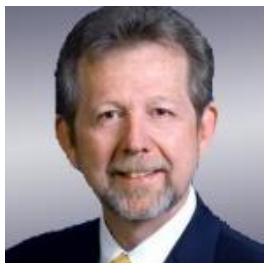
He joined BASF in 1988 as a research scientist in the Ammonia Laboratory. Subsequently, he had various positions in business, production and strategic planning until he became president of the Functional Polymers division in 2003. Brudermüller has been a member of the Board of Executive Directors since 2006. From 2011 he assumed the position of the Vice Chairman of the Board of Executive Directors of BASF SE and since 2015 additionally Chief Technology Officer (CTO).

In May 2018 Brudermüller became Chairman of the Board of Executive Directors and Chief Technology Officer (CTO). He is member of various institutions and academies, including the Senate Committees of the Max Planck Society for the Advancement of Science and the German National Academy of Science and Engineering.



LEADERSHIP *Awards*

KEYNOTE



James Green – As Chief Scientist at the world's premier space agency, the National Aeronautics and Space Administration (NASA), Dr. Green focuses on strategic science objectives and contributions to the science communities worldwide. He was the director of the Planetary Science Division at NASA Headquarters since 2006. For 12 years he managed numerous successful missions from Mercury to Pluto that have ushered in a golden age of planetary exploration. These missions include: the Lunar Reconnaissance Orbiter; Mars rovers Spirit, Opportunity and Curiosity; and the New Horizons mission to Pluto and beyond just to mention a few. Dr. Green received his PhD in Space Physics from the University of Iowa in 1979.

EVENT CO-CHAIRS



Duane Dickson – is a Vice Chairman and principal in Deloitte Consulting LLP's Energy Resources & Industrials Industry group, as well as the US Oil, Gas & Chemicals Sector Leader and the Global Oil, Gas & Chemicals Consulting leader. Duane served as a World Economic Forum's Chemical Community Lead, Chemistry and Advanced Materials. He focuses on growth strategies; acquisitions, divestitures, and carve-outs; and management.



Wayne Smith – Member of the Board of Executive Directors of BASF SE, Chairman and Chief Executive Officer of BASF Corporation, responsible for Monomers, Performance Materials, Process Research & Chemical Engineering, Market & Business Development, Site & Verbund Management North America, as well as Regional Functions & Country Platforms North America. B.S. in Chemical Engineering from Syracuse University and an MBA from the Wharton School, UPenn.



REMARKS

IMPACT

Public Outreach

Elementary/Middle High School

High School

Community College

Undergraduate

Graduate

Young Professionals

Industry Professionals

Educators

CME STEM Student
Business Luncheons



Outstanding CME Student

Christopher Hillenbrand – Bachelor in Science of Chemistry and Physics at MIT, Chris was the 2012 USA Gold Medalist at the International Chemistry Olympiads. At 15 he was the youngest USA high school student to achieve a Gold Medal at IChO. CME was the first professional group to honor him in 2012.



CME Co-Chair

Steve Barnett – Health, Safety and Environment Partner at Connell Foley LLP. Licensed Professional Engineer, Certified Industrial Hygienist and Master of Science in Public Health, Industrial Hygiene Emphasis. He proudly served as Captain, United States Air Force, Bioenvironmental Engineer.



CME Co-Chair

Ksenia Takhistova – Technology and IP attorney who counsels clients on intellectual property law issues across a wide variety of technologies in mechanical and medical devices, electrical and computer technology, life sciences, chemical, materials, and consumer products. M.S. Chem. Eng.



CME Past Chair and Host

George Rodriguez – Advisor on growth strategy and innovation. Served at Pfizer, Asahi Glass, Nagase. Creative producer of original events including CME Leadership Awards, ACS NASA Mars Symposium to inspire and help STEM students worldwide. Highest honors in B.S. Chem. Eng. and M.S. Industrial Mgt.



LEADERSHIP Awards

PIONEER

Since 1954 CME has:

Addressed the needs of the broad range of industries of chemistry.

Organized over 500 events on the business of chemistry.

Became Scholars National Partner.

Organized the first NASA Journey to Mars Symposium

Founded leadership awards for chemistry stakeholders.

Helped receive 9 Awards (Collaboration, Global Engagement and Performance).

Supported over 1000 free student luncheons.

Championed the first International Chapters in South America.

Helped organize ten International Chemistry Festivals.

Offered webcasts of monthly presentations since 2009.

FESTIVE. WARM. INSPIRATIONAL.



Juan Pablo del Valle, 2012 honoree, and family.



Jon Huntsman, 2013 honoree, granddaughter Kate and son Paul.



2015 honoree Roy Vagelos and wife Diana



Since 2011 CME has helped over 1000 STEM students develop networking and leadership skills.



Sonneborn and Peroxichem executives celebrating the Diamond Jubilee of CME.



2012 Chemistry Olympiad US Gold Medalist Chris Hillenbrand (center left)



CME AWARD-WINNING PROGRAMS

NASA SYMPOSIUMS

APOLLO 50

April 1 and 2
A STEM Celebration of a Lifetime!

EXPLORE

Kennedy Space Center

Chemistry for
Humanity's Next Giant Leap

ACS President Recommends MPPG ACS NASA Symposiums

CME

CME Keynote / Lectures

FREE	INFL
ACPD	TLAD
AWPL	WABE
BEST	PLUR
BOA	WETA
BWOT	WACC
CELL	ORGN
CHAL	PHYS
CHAI	PNSE
CHD	PLCY
CHP	TRCK
COLL	ICHR
COMP	TOP

Green **Arnold** **Betzig**

Register: cmeacs.org

ENABLE THE LEADERS OF TOMORROW