



College of Engineering
UNIVERSITY OF WISCONSIN-MADISON

MAKING A DIFFERENCE

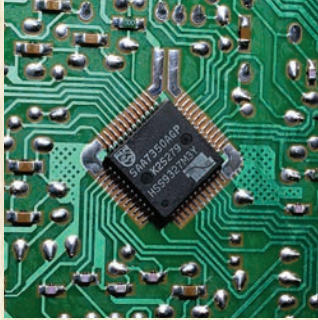




OUR ALUMNI

OUR ENGINEERING GRADUATES
MAKE THEIR MARK ON THE WORLD
IN MANY WAYS AND HERE IS
A SHORT LIST OF PEOPLE
WHOSE CONTRIBUTIONS ARE
EXCEPTIONALLY NOTABLE.

TECHNOLOGY



Jack St. Clair Kilby—*MSEE '50*

- Co-inventor of the integrated circuit
- Nobel Prize in physics, 2000

John Bardeen—*BSEE '28, MSEE '29*

- Inventor of the transistor;
major advances in superconductivity
- Nobel Prize in physics, 1956 and 1972



Rob Engelke—*BSEE '68*

- CEO, Ultratec Inc.; advances in
deaf-communication technology



Patrick Hanrahan—*BSNE '77*

- Developed Pixar's RenderMan
animation software

Michael Dhuey—*BSEE '80*

- Co-inventor of the
Macintosh II and the iPod



INFRASTRUCTURE



"Panama Canal 1913a"
by Marine, Thomas,
Licensed under Public Domain
via Wikimedia Commons

Edward Schildhauer—BSEE 1897

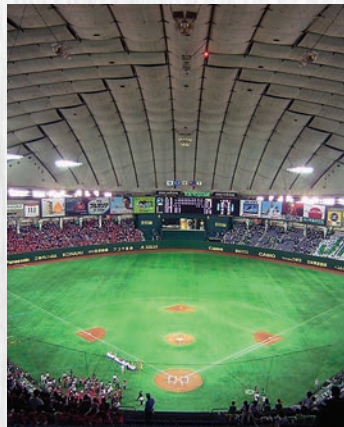
- Chief electrical and mechanical engineer on the Panama Canal project (opened on Aug. 15, 1914)

Ansel Adams—National Archives 79-AAB-01



John L. Savage—BSCE 1903

- Dam engineer: Engineer of many dams, including Hoover Dam
- Member of the National Academy of Sciences



David H. Geiger—BSCEE '60

- Designer of domed stadiums



Oscar Boldt—BSCEE '48

- Chairman, The Boldt Company

AUTOS AND AVIATION



William S. Harley—*BSME 1907*

- Founder, Harley-Davidson



Charles Lindbergh—*BSME 1920-21x*

- Aviator, made the first solo nonstop flight across the Atlantic Ocean



Richard V. Rhode—*BSME '25*

- Awarded Wright Brothers Medal for aerodynamic loading research, NASA Medal for Exceptional Scientific Achievement



James Lovell—*BS 1946-48x*

- *Apollo 8* and *Apollo 13* astronaut



Brewster Shaw—*BSEMA '68, MSEMA '69*

- Space Shuttle astronaut

Adam Steltzner—*PhDEP '99*

- Chief engineer and development manager for the Mars rover *Curiosity*



ACADEMICS



Thelma Estrin—*PhDEE '52*

- Professor of computer science, UCLA
- First female president of the IEEE Engineering in Medicine and Biology Society
- Tireless advocate for women in STEM well before modern efforts

Randy L. Jirtle—*BSNE '70*

- Epigenetics and genomic imprinting pioneer
- Senior scientist, McArdle Laboratory for Cancer Research, UW-Madison
- Professor of epigenetics, Department of Sport and Exercise Sciences, University of Bedfordshire, UK
- *Time* magazine Person of the Year, 2007



Mathukumalli Vidyasagar—
BS, MS, PhDEE '69 (Earned PhD at age 21)

- Founded Department of Bioengineering in 2010 at the University of Texas, Dallas

Michael Amiridis—*PhDChE '91*

- Chancellor, University of Illinois at Chicago (2015-)



LITERATURE



Emily Hahn—*BSMiningEngr '26*

- First female UW-Madison engineering graduate; journalist; author of 52 books



William Marr—*PhDNE '69*

- Nuclear engineer, (Argonne); poet; artist

EXECUTIVES

Arthur Nielsen Sr.—*BSECE '18*

Founded the ACNielsen Co. (market research, Nielsen ratings) in 1923; elected to the International Tennis Hall of Fame in 1971 and appointed a Knight of the Order of the Dannebrog in 1961 by Denmark



Philip D. Reed—*BSEE '21*

President, General Electric
(1937-1942, 1945-1958)

William Beverly Murphy—*BSChE '28*

CEO, Campbell Soup Co. (1953-1972)



David Grainger—*BSEE '50*

President, The Grainger Foundation

Claude Rockwood Whitney Jr.—*BSEE '50*

Chairman and CEO, Allen Bradley Co.

Ken Wright—*BSCEE '51, MSCEE '57*

CEO, Wright Water Engineers;
co-founder, Wright Paleohydrological Institute



Ernest Micek—*BSChE '59*

CEO, Cargill Corp. (1995-1999)

Richard Wilkey—*BSMetE '59*

Founder, president and CEO, Fisher Barton Inc.



Lee Raymond—*BSChE '60*

CEO, ExxonMobil (1999-2005)

Duane Collins—*BSME '61*

Chairman, Parker Hannifin Corp.



Mary Baker—*BSEMA '66*

President, ATA Engineering Inc.



Kenneth Schroeder—*BSEE '67*

CEO, KLA-Tencor (1999-2005)

Dong-Soo Hur—*BSChE '68, PhDChE '69*

Chairman, GS Caltex Corp., Seoul, Korea



Keith Nosbusch—*BSEE '74*

CEO, Rockwell Automation (2004-)

Michael Splinter—*BSEE '72, MSEE '74*

CEO, Applied Materials (2003-2015)



Jeff Sprecher—*ChE '78*

Founder, NEA Ventures; founder, chair and CEO, IntercontinentalExchange, which purchased the New York Stock Exchange



Valerie King-Bailey—*BSCEE '82*

CEO, Onshore Technology Group

Thomas Werner—*BSIE '82*

CEO, SunPower Corp.



Winslow Sargeant—*PhDECE '95*

Chief Counsel for Advocacy, U.S. Small Business Administration; co-founder, AANetcom



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