

NATIONAL ACADEMY OF ENGINEERING: The National Academy of Engineering (NAE) was established in 1964 to promote the engineering profession and marshal the expertise and insight of eminent engineers to provide independent advice to the federal government. It is a prestigious honor to be elected to this Academy. As of 2017, the NAE had 175 female members (U.S. and foreign, not including deceased) out of over 2,000 active U.S. members and over 200 foreign members. Computer Science & Engineering is the discipline with the most female members, followed by Bioengineering. Over the last five years, new female membership has risen from five new members in 2013 to a record high of 20 new members in 2017.

Member's Name	Primary Section or Discipline	Election Year
Gilbreth, Lillian M. *	Motion Study and Management Engineer	1965
Hopper, Grace M. *	Computer Languages and Automatic Programming	1973
Dresselhaus, Mildred S.	Electronics, Communication & Information Systems Engineering	1974
Ancker-Johnson, Betsy	Special Fields & Interdisciplinary Engineering	1975
Davis, Ruth M. *	Computer Science & Engineering	1976
Sammet, Jean E.	Computer Science & Engineering	1977
Hicks, Beatrice *	Analysis of Sensing Devices	1978
Fischer, Irene K. *	Special Fields & Interdisciplinary Engineering	1979
Conwell, Esther M. *	Electronics, Communication & Information Systems Engineering	1980
Schwan, Judith A. *	Special Fields & Interdisciplinary Engineering	1982
Napadensky, Hyla S.	Special Fields & Interdisciplinary Engineering	1984
Widnall, Sheila E.	Aerospace Engineering	1985
Allen, Frances E.	Computer Science & Engineering	1987
Brill, Yvonne C. *	Aerospace Engineering	1987
Good, Mary L.	Materials Engineering	1987
Roy, Della M.	Materials Engineering	1987
Edwards, Helen T. *	Special Fields & Interdisciplinary Engineering	1988
Liskov, Barbara H.	Computer Science & Engineering	1988
Simpson, Joanne *	Special Fields & Interdisciplinary Engineering	1988
Weertman, Julia R.	Materials Engineering	1988
Conway, Lynn A.	Computer Science & Engineering	1989
Garmire, Elsa M.	Electronics, Communication & Information Systems Engineering	1989

Flanigen, Edith M.	Materials Engineering	1991
Drake, Elisabeth M.	Chemical Engineering	1992
Levelt Sengers, Johanna M. H.	Chemical Engineering	1992
Marabini, Anna M. (Italy)	Earth Resources Engineering	1992
Savitz, Maxine L.	Industrial, Manufacturing & Operational Systems Engineering	1992
Benmark, Leslie A.	Industrial, Manufacturing & Operational Systems Engineering	1993
Graham, Susan L.	Computer Science & Engineering	1993
Nightingale, Deborah J.	Industrial, Manufacturing & Operational Systems Engineering	1993
Peden, Irene C.	Electronics, Communication & Information Systems Engineering	1993
Jones, Anita K.	Computer Science & Engineering	1994
Kuhlmann-Wilsdorf, Doris *	Materials Engineering	1994
de Planque, E. Gail *	Electric Power/Energy Systems Engineering	1995
Fitzroy, Nancy D.	Mechanical Engineering	1995
Paté-Cornell, M. Elisabeth	Special Fields & Interdisciplinary Engineering	1995
Reichmanis, Elsa	Materials Engineering	1995
Taylor, Kathleen C.	Materials Engineering	1995
Borrone, Lillian C.	Civil Engineering	1996
Chowdhry, Uma	Materials Engineering	1996
Kalnay, Eugenia	Special Fields & Interdisciplinary Engineering	1996
Agogino, Alice M.	Mechanical Engineering	1997
Bajcsy, Ruzena K.	Computer Science & Engineering	1997
LeMone, Margaret A.	Special Fields & Interdisciplinary Engineering	1997
Nichols, Roberta J. *	Mechanical Engineering	1997
Sanford, Linda S.	Industrial, Manufacturing & Operational Systems Engineering	1997
Wright, Margaret H.	Computer Science & Engineering	1997
Hwang, Jennie S.	Materials Engineering	1998
Wheeler, Mary F.	Earth Resources Engineering	1998
Brierley, Corale L.	Earth Resources Engineering	1999

Higgins, Julia S. (United Kingdom)	Materials Engineering	1999
Selinger, Patricia G.	Computer Science & Engineering	1999
Arnold, Frances H.	Bioengineering	2000
Etter, Delores M.	Electronics, Communication & Information Systems Engineering	2000
Leveson, Nancy G.	Computer Science & Engineering	2000
Schwartz, Shirley E. *	Chemical Engineering	2000
Wan, Rong-Yu *	Earth Resources Engineering	2000
Baranescu, Rodica A.	Mechanical Engineering	2001
Crawford, Natalie W.	Aerospace Engineering	2001
Gast, Alice P.	Chemical Engineering	2001
Jackson, Shirley Ann	Electronics, Communication & Information Systems Engineering	2001
Katsaros, Kristina B.	Special Fields & Interdisciplinary Engineering	2001
Kwolek, Stephanie L. *	Chemical Engineering	2001
Lacasse, Suzanne (Norway)	Civil Engineering	2001
Lynch, Nancy A.	Computer Science & Engineering	2001
David, Ruth A.	Aerospace Engineering	2002
Dunbar, Bonnie J.	Aerospace Engineering	2002
Hu, Evelyn L.	Electronics, Communication & Information Systems Engineering	2002
Kula, Maria-Regina (Germany)	Bioengineering	2002
Murray, Cherry A.	Electronics, Communication & Information Systems Engineering	2002
Weyuker, Elaine	Computer Science & Engineering	2002
Abriola, Linda M.	Civil Engineering	2003
Ehlig-Economides, Christine A.	Earth Resources Engineering	2003
Irwin, Mary Jane	Computer Science & Engineering	2003
Oran, Elaine S.	Aerospace Engineering	2003
Dussan V., Elizabeth B.	Mechanical Engineering	2004
Mitchell, Joan L. *	Computer Science & Engineering	2004
Petzold, Linda R.	Computer Science & Engineering	2004

Phillips, Julia M.	Materials Engineering	2004
Stevens, Anne L.	Industrial, Manufacturing & Operational Systems Engineering	2004
Takeuchi, Esther S.	Bioengineering	2004
Berger, Marsha J.	Computer Science & Engineering	2005
Comte-Bellot, Genevieve M. (France)	Special Fields & Interdisciplinary Engineering	2005
Goldwasser, Shafrira	Computer Science & Engineering	2005
Hall, Carol K.	Chemical Engineering	2005
Jamieson, Leah H.	Special Fields & Interdisciplinary Engineering	2005
Kedem, Ora (Israel)	Chemical Engineering	2005
Ligler, Frances S.	Bioengineering	2005
Pollock, Tresa M.	Materials Engineering	2005
Widom, Jennifer	Computer Science & Engineering	2005
Amon, Cristina H.	Mechanical Engineering	2006
Anderson, Mary P.	Earth Resources Engineering	2006
Cheng, Josephine	Industrial, Manufacturing & Operational Systems Engineering	2006
Eggers, Susan J.	Computer Science & Engineering	2006
Frase, Katharine G.	Materials Engineering	2006
Katehi, Linda P.B.	Electronics, Communication & Information Systems Engineering	2006
Yap, Miranda G. *	Bioengineering	2006
Lee, Ann L.	Bioengineering	2007
Meng, Teresa H.	Computer Science & Engineering	2007
Tardos, Eva	Computer Science & Engineering	2007
Austin, Wanda M.	Aerospace Engineering	2008
Dowling, Ann P. (United Kingdom)	Aerospace Engineering	2008
Dwork, Cynthia	Computer Science & Engineering	2008
Grosz, Barbara J	Computer Science & Engineering	2008
Richards-Kortum, Rebecca R.	Bioengineering	2008
Anseth, Kristi S.	Bioengineering	2009

Auweter-Kurtz, Monika (Germany)	Aerospace Engineering	2009
Estrin, Deborah L.	Computer Science & Engineering	2009
Parkinson, Claire L.	Special Fields & Interdisciplinary Engineering	2009
Giger, Maryellen	Bioengineering	2010
Bergman, Rebecca M.	Bioengineering	2010
Alvarez-Cohen, Lisa	Civil Engineering	2010
Greif, Irene	Computer Science & Engineering	2010
Haas, Laura	Computer Science & Engineering	2010
Barnhart, Cynthia	Industrial, Manufacturing & Operational Systems Engineering	2010
Aubry, Nadine	Mechanical Engineering	2011
Cannon, Elizabeth M. (Canada)	Aerospace Engineering	2011
Dumais, Susan T.	Computer Science & Engineering	2011
Gish, Jacqueline G.	Special Fields & Interdisciplinary Engineering	2011
Griffith, Linda G.	Bioengineering	2011
Koller, Daphne	Computer Science & Engineering	2011
Maguire, Joanne M.	Aerospace Engineering	2011
Rose, Joan B.	Civil Engineering	2011
Boyan, Barbara D.	Bioengineering	2012
Boyce, Mary C.	Mechanical Engineering	2012
Brennecke, Joan F.	Chemical Engineering	2012
Haynes, Victoria F.	Chemical Engineering	2012
Ion, Sue E. (United Kingdom)	Power/Energy Systems Engineering	2012
McKnight, Diane M.	Special Fields & Interdisciplinary Engineering	2012
Shoemaker, Christine A.	Civil Engineering	2012
Vunjak-Novakovic, Gordana	Bioengineering	2012
Blackmond, Donna G.	Chemical Engineering	2013
Bonnell, Dawn A.	Materials Engineering	2013
Burns, Ursula M.	Special Fields & Interdisciplinary Engineering	2013
Greiner, Helen	Computer Science & Engineering	2013

Wood, Sharon L.	Civil Engineering	2013
Banks, M. Katherine	Earth Resources Engineering	2014
Ciminelli, Virginia S. T. (Brazil)	Earth Resources Engineering	2014
Dietrich, Brenda J.	Industrial, Manufacturing & Operational Systems Engineering	2014
Ferrara, Katherine W.	Bioengineering	2014
Flytzani-Stephanopoulos, Maria	Chemical Engineering	2014
Halas, Naomi J.	Materials Engineering	2014
Knatz, Geraldine	Special Fields & Interdisciplinary Engineering	2014
Pawlikowski, Ellen M.	Aerospace Engineering	2014
Rexford, Jennifer	Computer Science & Engineering	2014
Samarasekera, Indira V. (Canada)	Materials Engineering	2014
Bardasz, Ewa A.	Mechanical Engineering	2015
Bhatia, Sangeeta N.	Bioengineering	2015
Blanchard, Cheryl R.	Bioengineering	2015
Daubechies, Ingrid	Computer Science & Engineering	2015
Gladden, Lynn F. (United Kingdom)	Chemical Engineering	2015
Gleason, Karen K.	Chemical Engineering	2015
Hering, Janet G.	Civil Engineering	2015
Kullman, Ellen J.	Special Fields & Interdisciplinary Engineering	2015
Myers, Kyle J.	Bioengineering	2015
Perlman, Radia J.	Computer Science & Engineering	2015
Rometty, Virginia M.	Industrial, Manufacturing & Operational Systems Engineering	2015
Rus, Daniela	Computer Science & Engineering	2015
Sulzberger, Virginia C.	Power/Energy Systems Engineering	2015
Bao, Zhenan	Materials Engineering	2016
Carter, Emily A.	Chemical Engineering	2016
Doyle, Fiona M.	Earth Resources Engineering	2016
Hipwell, M. Cynthia	Mechanical Engineering	2016

Johnson, Kristina M.	Electronics, Communication & Information Systems Engineering	2016
Liu, Yilu	Power/Energy Systems Engineering	2016
Prabhakar, Arati	Special Fields & Interdisciplinary Engineering	2016
Reder, Wanda K.	Power/Energy Systems Engineering	2016
Salamone, Ann B.	Bioengineering	2016
Scanlon, Bridget	Earth Resources Engineering	2016
Shoichet, Molly (Canada)	Bioengineering	2016
Sullivan, Kathryn D.	Special Fields & Interdisciplinary Engineering	2016
Tikka, Kirsi, K. (United Kingdom)	Special Fields & Interdisciplinary Engineering	2016
West, Jennifer L.	Bioengineering	2016
Arruda, Ellen M.	Mechanical Engineering	2017
Asakawa, Chieko (Japan)	Computer Science & Engineering	2017
Cabuz, Cleopatra	Electronics, Communication & Information Systems Engineering	2017
Chong, Dianne	Industrial, Manufacturing & Operational Systems Engineering	2017
Goldsmith, Andrea	Electronics, Communication & Information Systems Engineering	2017
Gunsel, Selda	Mechanical Engineering	2017
Hammond, Paula T.	Chemical Engineering	2017
Hirschberg, Julia	Computer Science & Engineering	2017
Holmgren, Jennifer R.	Chemical Engineering	2017
Howell, Kathleen C.	Aerospace Engineering	2017
Katabi, Dina	Computer Science & Engineering	2017
King Liu, Tsu-Jae	Electronics, Communication & Information Systems Engineering	2017
Leung, L. Ruby	Special Fields & Interdisciplinary Engineering	2017
Lewis, Jennifer A.	Materials Engineering	2017
Niemeier, Debbie A.	Civil Engineering	2017
Slaughter, E. Sarah	Civil Engineering	2017
Smith, Megan J.	Mechanical Engineering	2017
Solomon, Darlene J. S.	Bioengineering	2017

Vautrinot, Suzanne M.	Special Fields & Interdisciplinary Engineering	2017
Yelick, Katherine A.	Computer Science & Engineering	2017

* Deceased

Note: All members listed are current U.S. members of the Academy unless country is noted in parentheses.

Members from other countries are designated Foreign Members by the Academy.

Source: National Academy of Engineering Membership Directory