

NIST Gallery of Distinguished Scientists, Engineers, and Administrators



Celebrating Our 2020 Honorees

October 23, 2020



National Bureau of Standards gate from Connecticut and Van Ness site



Descendant of Newton's apple tree on Gaithersburg campus

NIST Gallery of Distinguished Scientists, Engineers, and Administrators

Adding Six Honorees to the Gallery

**Friday, October 23, 2020
Virtual Ceremony**

10:30 am – Noon

Arranged by
STANDARDS ALUMNI ASSOCIATION



**Brian Belanger, President
Bettijoyce Lide, Chair, Portrait Gallery Committee**

History of the NBS/NIST Gallery

The Portrait Gallery had its origin in the framed photos of early NBS leaders that graced the walls of the Senior Lunch Club on the third floor of the South Building at the old site on Connecticut Avenue in Washington. These included well-known figures from early NBS history such as Harry Diamond, Hugh Dryden, W. W. Coblenz, William Hillebrand, and Edward Rosa. When the move to Gaithersburg took place in the mid-1960s, the portraits were moved to the new NBS Lunch Club, which was at the site of the present-day Heritage Room. In the early 1970s Director Lewis Branscomb proposed that these portraits form the beginning of a gallery to honor distinguished NBS alumni. When the lunch room was refurbished in 1985, the portraits were moved to the alcove just outside in the hallway.

In 1988 Director Ernest Ambler asked the SAA to oversee the creation of an up-to-date portrait gallery. SAA President Churchill Eisenhart organized a committee of senior retirees representing both technical and administrative areas. The other members of the original committee were Chester Page, Richard Cook, James Wright, Bascom Birmingham, Lawrence Wood, and Reeves Tilley. This committee announced the initial members of the NIST Gallery of Distinguished Scientists, Engineers, and Administrators in 1988. This list of 79 NBS/NIST alumni included those whose portraits were already displayed in the alcove, as well as a number of more recent alumni.

Although the SAA continued a Portrait Gallery Committee to oversee the display of the portraits, a systematic procedure to add to the list of honorees was not established immediately. Except for the addition of 19 portraits in 1995, no further additions were made until Hans Oser, Ron Johnson, and Reeves Tilley reactivated the SAA committee in 1998. Since that time a formal induction ceremony has been held each year, including a reception for friends and family. Furthermore, in an effort led by Anneke Sengers, with the help of Ralph Hudson and David Lide, the SAA drew up selection criteria and established a procedure for soliciting nominations in a standard format, appointing a jury to evaluate the candidates, and deciding which ones to propose to the NIST Director for approval. The Portrait Gallery is now one of the SAA activities most visible to the NIST staff.

Today, the 351 portraits line both walls of the corridor. In addition, digital kiosks that contain all the portraits and biographies have been installed in both Gaithersburg and Boulder and are available for use by both staff and visitors. Furthermore, all the portraits and biographical material can be accessed via the Internet through the NIST Digital Archives.

--by David Lide

SAA Portrait Gallery Committee 2020

Committee Chair..... Bettijoyce Lide
Committee Vice Chair Harry Hertz
Digital Portrait Gallery Jeffrey Horlick
Subcommittees:
Nominations and ElectionsHarry Hertz, Bettijoyce Lide, and Barbara Uglik
Liaison with Honorees, Program Brochure Noël Raufaste and Jeffrey Horlick
Portrait Ceremony and AdvertisingJeffrey Horlick, Joan Schneider, Norman Belecki, and
Richard Lindstrom

2020 Jury

Jacqueline Calhoun
Bert Coursey
Cita Furlani
Harry Hertz (non-voting)

Matthew Heyman
William Koch
Michael Kurylo
Bettijoyce Lide (non-voting)

David Lide
Ray Radebaugh
Robert Shull
Barbara Uglik (non-voting)

PROGRAM

Opening Comments Brian Belanger, President, SAA

Welcoming Remarks Walter Copan, Director, NIST

Presentations Bettijoyce Lide, Chair, Portrait Gallery Committee

Norman B. Belecki PML Years at NBS/NIST: 1970-1999
For his exemplary contributions to improved dissemination of the Nation's electrical units, and the development and promotion of an internationally accepted system to assure the traceability of measurement results nationwide to the SI

John L. Gross EL Years at NBS/NIST: 1983-2016
For advancing understanding of how and why structures fail - using disaster investigations, developing novel laboratory tools and facilities, and leading standards improvements to make buildings and other structures safer

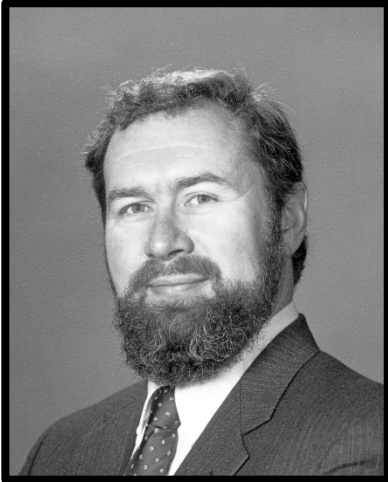
Daniel W. Lozier ITL Years at NBS/NIST: 1969-2019
For outstanding technical contributions and exceptional leadership to provide an online, interactive, and authoritative reference for special functions of applied mathematics, the NIST Digital Library of Mathematical Functions

Keith R. Lykke PML Years at NBS/NIST: 1997-2016
For revolutionizing absolute radiometric calibration methods and increasing the accuracy of measurements relevant to long-term global climate change and daily weather forecasting

Michael R. Moldover PML Years at NBS/NIST: 1972-2019
For creatively advancing standards for measuring thermophysical properties of fluids and for best-in-the-world measurements of fluid properties, fluid flow, thermodynamic temperature, and the Boltzmann constant resulting in worldwide scientific impact

Mary H. Saunders DO Years at NBS/NIST: 1993-2008, 2011-2017
For exceptional leadership in standards policy development and implementation at the highest levels of government and the private-sector-led standards community and as NIST's Chief Operating Officer

Closing Remarks and Acknowledgments Bettijoyce Lide



NORMAN B. BELECKI

NBS/NIST: 1970–1999

INDUCTED: 2020

B: 1939, Rochester, New York

EDUCATION:

Clarkson University, BS (Physics), 1962

George Washington University, MSE (Metrology), 1967

CITATION: For his exemplary contributions to improved dissemination of the Nation's electrical units, and the development and promotion of an internationally accepted system to assure the traceability of measurement results nationwide to the SI

POSITIONS HELD AT NBS/NIST:

Physicist, Volt Facility, Electricity Division, Institute for Basic Standards, 1970-1971

Leader, Electrical Reference Standards Group, Electricity Division, Electronics and Electrical Engineering

Laboratory (EEEL) and predecessors, 1971-1996

Senior Scientist, EEEL, 1996-1999

HONORS:

U.S. Department of Commerce Silver Metal (1982)

Andrew Woodington Award (1985)

Allen V. Astin Measurement Science Award (1986)

William A. Wildhack Award (1999)

Fellow, IEEE (1999)

MEMBERSHIPS:

Conference on Precision Electromagnetic Measurements

IEEE Instrumentation and Measurement Society

NCSL International

NCSLI Measure, the Journal of Measurement Science, Technical Support Team

American Physical Society

American Society for Quality, Measurement Quality Division

Precision Measurements Association

PUBLICATIONS:

More than 30 publications including:

Belecki, N.B., Dunfee, B.L., and Petersons, O., *The National Measurement System for Electricity*, NIST NBSIR 75-935 (1978)

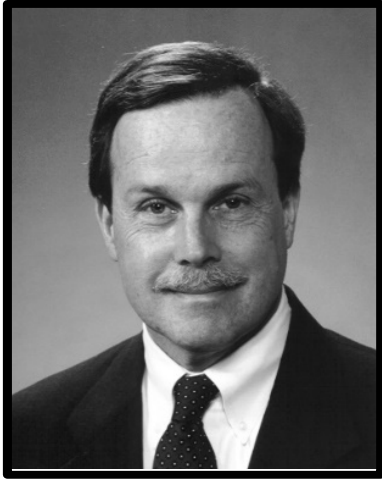
Belecki, N.B., Dziuba, R.F., Field, B.F., and Taylor, B.N., *Guidelines for Implementing the New Representations of the Volt and Ohm Effective January 1, 1990*, NIST Technical Note 1263 (1989)

Belecki, N.B., Guest Editor, *IEEE Transactions on Instrumentation and Measurement*, Special Issue of Selected Papers, CPEM 1990, Vol. 40, Issue: 2 (1991)

Dziuba, R., Belecki, N.B., and Mayo-Wells, J.F., "Stability of Double-Walled Manganin Resistors", *A Century of Excellence in Measurements, Standards, and Technology* (Lide, D.R., ed), NIST SP 958, (2001)

Belecki, N.B., "Rules, Tools and Good Judgment", MEASURE FOR MEASURE Column, *Quality Progress*, (January 2005)

Belecki, N.B., Shah, D., Poulton, D., Lapinskis, M., Suraci, J.M., Simmons, P., Simmons, J.H., and Harris, G.L., "Joe D. Simmons Memorial Scholarship", *NCSLI Conference Proceedings* (2008)



JOHN L. GROSS

NBS/NIST: 1983–2016

INDUCTED: 2020

B: 1947, Philadelphia, Pennsylvania

EDUCATION:

Cornell University, BS (Civil and Environmental Engineering), 1969
Cornell University, ME (Civil and Environmental Engineering), 1970
Cornell University, PhD (Civil and Environmental Engineering), 1980

CITATION: For advancing understanding of how and why structures fail - using disaster investigations, developing novel laboratory tools and facilities, and leading standards improvements to make buildings and other structures safer

POSITIONS HELD AT NBS/NIST:

Research Structural Engineer, Building and Fire Research Laboratory (BFRL)/Engineering Laboratory, 1983-2016

Leader, Structures Group, Materials and Construction Research Division, BFRL, 1998-2004

HONORS:

Building and Fire Research Laboratory Communicator Award (1988 and 2000)

Leonard C. Wason Medal, American Concrete Institute (1988)

NIST Bronze Medal (2001)

DoC Engineer of the Year and Top 10 Finalist for Federal Engineer of the Year, National Society of Professional Engineers (2001)

Raymond C. Reese Research Prize, American Society of Civil Engineers (2001)

U.S. Department of Commerce Gold Medal (2005)

NIST Special Act Award (2008)

The 2010 Power List - *Structural Engineering and Design* magazine (2010)

Fellow, American Society of Civil Engineers (2014)

MEMBERSHIPS:

American Institute of Steel Construction

American Society of Civil Engineers

ISO/TC 92/SC 4/WG 12 Structures in Fire Working group

Licensed Professional Engineer

PUBLICATIONS:

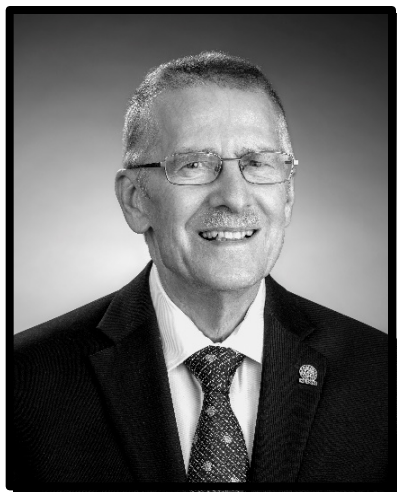
More than 75 publications and one patent including:

Gross, J., et al., *AISC Steel Design Guide Series 12: Modification of Existing Welded Steel Moment Frame Connections for Seismic Resistance* (2003)

Gross, J., et al., *Final Report on the Collapse of the World Trade Center Towers and Final Report on the Collapse of the World Trade Center Building 7* (Gann, R.G., ed.), NIST NCSTAR 1 and 1A, Federal Building and Fire Safety Investigation of the World Trade Center Disaster (2005, 2008)

U.S. Patent 9,010,402 B2: *Method and Apparatus for Interlocking Load Carrying Elements* (April 21, 2015)

Bundy, M., Hamins, A., Gross, J., et al., "Structural Fire Experimental Capabilities at the NIST National Fire Research Laboratory", *Fire Technology* 52, 959–966 (2016)



DANIEL W. LOZIER

NBS/NIST: 1969–2019

INDUCTED: 2020

B: 1941, Portland, Oregon

EDUCATION:

Oregon State University, BA (Mathematics), 1962

American University, MA (Mathematics), 1969

University of Maryland, PhD (Applied Mathematics), 1979

CITATION: For outstanding technical contributions and exceptional leadership to provide an online, interactive, and authoritative reference for special functions of applied mathematics, the NIST Digital Library of Mathematical Functions

POSITIONS HELD AT NBS/NIST:

Mathematician, Information Technology Laboratory (ITL) and predecessors, 1969-2003

Leader, Mathematical Software Group, Applied and Computational Mathematics Division, ITL, 2003-2012

Re-employed Annuitant, Applied and Computational Mathematics Division, ITL, 2012-2019

HONORS:

Adjunct Professor (Applied Mathematics), University of Maryland (1986-1997)

Associate Editor, *Mathematics of Computation*, American Mathematical Society (1996-2008)

President, NIST Chapter of Sigma Xi (1998-1999)

Associate Editor, *Journal of Numerical Analysis, Industrial and Applied Mathematics*, European Society of Computational Methods in Sciences and Engineering (2008-2018)

U.S. Department of Commerce Gold Medal (2011)

Outstanding IT Achievement in Government, *Government Computer News* (2011)

Award for Excellence in Mathematics and Computer Science, Washington Academy of Sciences (2017)

Fellow, Washington Academy of Sciences (2017)

MEMBERSHIPS:

American Mathematical Society

Society for Industrial and Applied Mathematics

Sigma Xi

Cosmos Club

Philosophical Society of Washington

Washington Academy of Sciences

PUBLICATIONS:

More than 40 publications including:

Smith, J.M., Olver, F.W.J., and Lozier, D.W., "Extended-Range Arithmetic and Normalized Legendre Polynomials", *ACM Transactions on Mathematical Software*, Vol. 7, No. 1, pp. 93-105 (1981)

Lozier, D.W. and Olver, F.W.J., "Airy and Bessel Functions by Parallel Integration of ODEs", *Proceedings of the Sixth SIAM Conference on Parallel Processing for Scientific Computing*, (R.F. Sincovec, D.E. Keyes, M.R. Leuze, L.R. Petzold, and D.A. Reed, eds.), Society for Industrial and Applied Mathematics, pp. 530-538 (1993)

Lozier, D.W. and Olver, F.W.J., "Numerical Evaluation of Special Functions", *Mathematics of Computation 1943-1993: A Half-Century of Computational Mathematics*, (W. Gautschi, ed.), American Mathematical Society, pp. 79-125, (Invited survey) (1994)

Lozier, D.W., Miller, B.R, and Saunders, B.V., "Design of a Digital Mathematical Library for Science, Technology and Education", *Proceedings of the IEEE Forum on Research and Technology Advances in Digital Libraries*, IEEE Computer Society Press, pp.118-128 (1999)

Lozier, D.W., "NIST Digital Library of Mathematical Functions", *Annals of Mathematics and Artificial Intelligence* Vol. 38, pp.105-119 (2003)

Olver, F.W.J., Lozier, D.W., Boisvert, R.F., and Clark, C.W. (eds.), *NIST Handbook of Mathematical Functions*, Cambridge University Press, 968 pages (2010)



KEITH R. LYKKE

NBS/NIST: 1997–2016

INDUCTED: 2020

B: 1956, Harlan, Iowa

D: 2016, Gaithersburg, Maryland

EDUCATION:

University of Nebraska, BS (Chemistry), 1979

University of Colorado, PhD (Chemical Physics), 1987

CITATION: For revolutionizing absolute radiometric calibration methods and increasing the accuracy of measurements relevant to long-term global climate change and daily weather forecasting

POSITIONS HELD AT NBS/NIST:

Research Chemist, Optical Sensor Group, Optical Technology Division, Physics Laboratory (PL), 1997-1998

Leader, Optical Sensor Group, Optical Technology Division, PL, 1998-2003

Leader, Laser Applications Group, Optical Technology Division, PL/Physical Measurement Laboratory (PML), 2003-2011

Leader, Laser Applications Group, Sensor Science Division, PML, 2011-2016

HONORS:

Arthur S. Flemming Award (2005)

U.S. Department of Commerce Gold Medal (2010)

National Geospatial-Intelligence Agency Unit Citation Award (2013)

NIST Bronze Medal (2015)

U.S. Department of Commerce Silver Medal (2016)

NASA Goddard Group Achievement Award (2017)

MEMBERSHIPS:

Council for Optical Radiation Measurements

Local Advisory Committee for NEWRAD 2002

Representative to DoD Calibration Coordination Group (CCG) in the area of electro-optics

PUBLICATIONS:

More than 155 publications and three patents including:

Rahn, R.O., Stefan, M.I., Bolton, J.R., Goren, E., Shaw, P-S., and Lykke, K.R., "Quantum Yield of the Iodide-Iodate Chemical Actinometer: Dependence on Wavelength and Concentration", *Photochemistry and Photobiology*, 78, 146-152 (2003)

Brown, S.W., Eppeldauer, G.P., and Lykke, K.R., "Facility for Spectral Irradiance and Radiance Responsivity Calibrations Using Uniform Sources", *Applied Optics*, 45, 8218-8237 (2006)

Tonry, J. L., Stubbs, C. W., Lykke, K. R., et al., "The Pan-STARRS1 Photometric System", *The Astrophysical Journal*, 750, No. 99 (2012)

Korngut, P.M., et al., "The Cosmic Infrared Background Experiment (CIBER): The Narrow-Band Spectrometer", *The Astrophysical Journal*, 207, No. 34 (2013)



MICHAEL R. MOLDOVER

NBS/NIST: 1972–2019

INDUCTED: 2020

B: 1940, New York City, New York

EDUCATION:

Rensselaer Polytechnic Institute, BS (Physics), 1961

Stanford University, MS (Physics), 1962

Stanford University, PhD (Physics), 1966

CITATION: For creatively advancing standards for measuring thermophysical properties of fluids and for best-in-the-world measurements of fluid properties, fluid flow, thermodynamic temperature, and the Boltzmann constant resulting in worldwide scientific impact

POSITIONS HELD AT NBS/NIST:

Physicist, Heat Division, Institute for Basic Standards/Chemical Thermodynamics Division, National Measurement Laboratory (NML), 1972-1988

Leader, Fluid Science Group, Thermophysics Division, NML/Process Measurements Division, Chemical Science and Technology Laboratory (CSTL), 1988-2005

Leader, Fluid Metrology Group, Process Measurements Division, CSTL/Sensor Science Division, Physical Measurement Laboratory, 2005-2019

NIST Fellow, 1994-2019

HONORS:

NIST Bronze Medal (1980)

U.S. Department of Commerce Silver Medal (1982 and 2011)

U.S. Department of Commerce Gold Medal (1987)

Samuel Wesley Stratton Award for Research Excellence (1988)

Washington Academy of Sciences Award for Scientific Achievement in the Physical Sciences (1989)

Fellow, Acoustical Society of America (1992)

Fellow, American Physical Society (1994)

Chemical Science and Technology Laboratory Technical Achievement Award (2005)

Presidential Rank Award for Meritorious Service (2009)

Yeram S. Touloukian Award, American Society of Mechanical Engineers (2012)

MEMBERSHIPS:

Acoustical Society of America

American Physical Society

American Society of Mechanical Engineers

PUBLICATIONS:

More than 165 publications and two patents including:

Moldover, M.R., Sengers, J.V., Gammon, R.W., and Hocken, R.J., "Gravity Effects in Fluids Near the Gas-Liquid Critical Point", *Rev. Mod. Phys.*, 51, 79-99 (1979)

Moldover, M.R. and Cahn, J.W., "An Interface Phase Transition: Complete to Partial Wetting", *Science*, 207, 1073-1075 (1980)

Moldover, M.R., Trusler, J.P.M, Edwards, T.J., Mehl, J.B., and Davis, R.S., "Measurement of the Universal Gas Constant R Using a Spherical Acoustic Resonator", *J. of Res. of NBS*, 93, 85-144 (1988) AND *Phys. Rev. Lett.*, 60, 249-252, (1988)

Aziz, R.A., Janzen, A.R., and Moldover, M.R., "*Ab Initio* Calculations for Helium: A Standard for Transport Property Measurements", *Phys. Rev. Lett.*, 74, 1586-1589 (1995)

Moldover, M.R., Gavioso, R.M., Mehl, J.B., Pitre, L., de Podesta, M., Zhang, J.T., "Acoustic Gas Thermometry", *Metrologia*, 51, R1-R19 (2014)



MARY H. SAUNDERS

**NBS/NIST: 1993–2008 and 2011–2017
INDUCTED: 2020**

B: 1955, Falls Church, Virginia

EDUCATION:

Vanderbilt University, BA (Political Science), 1977
Princeton University, MPA (Public Policy), 1979

CITATION: For exceptional leadership in standards policy development and implementation at the highest levels of government and the private-sector-led standards community and as NIST's Chief Operating Officer

POSITIONS HELD AT NBS/NIST:

Group Leader, Global Standards Program, Office of Standards Services, Technology Services, 1994-2001
Program Analyst, Program Office, Office of the NIST Director, 1999-2001
Chief, Standards Services Division, Technology Services, 2001-2008
Director, Standards Coordination Office, Office of the NIST Director, 2011-2012
NIST Associate Director for Management Resources, 2012-2017
(From 2008-2011 Mary Saunders served at the Department of Commerce as Deputy Assistant Secretary, Manufacturing and Services, International Trade Administration.)

SIGNIFICANCE OF WORK:

During Ms. Saunders' more than two decades in the NIST standards program she made significant contributions leveraging her expertise in public policy, markets, trade, and government policy and regulation, along with serving as leader of NIST's standards coordination efforts. She was influential in developing NIST's capability to work effectively with private sector stakeholders and voluntary standards organizations to develop consensus standards that enhanced government and business performance and stimulated trade. She managed the Standards in Trade Workshop program, working with the private sector to train hundreds of senior foreign government officials on the U.S. standards and regulatory systems, facilitating trade in 10 key industry sectors through foreign adoption of U.S.-based standards. She established and maintained comprehensive databases of more than 500 U.S. standards-developing and conformity-assessment organizations, over 30 U.S. government standards-related programs, and more than 10,000 voluntary standards incorporated by reference in U.S. regulations. She developed the Administration's comprehensive policy memorandum addressing U.S. government agency engagement in private sector-led standards activities to address national priorities. Ms. Saunders led NIST's participation in the Department of Commerce shared services initiative, increasing the efficiency of mission support services in human resources, information technology, finance, and acquisitions. Ms. Saunders was instrumental in ensuring her staff could effectively engage across a large number of federal agencies; work with OMB and the White House on policy and interagency activities; and support trade activities both by U.S. companies, and by the government through its trade agreements and trade policy work.

HONORS:

NIST Bronze Medal (1995, 2001, and 2007)
U.S. Department of Commerce Silver Medal (1999, 2000, and 2005)
ANSI Meritorious Service Award (2004)
George S. Wham Leadership Medal (2011)

MEMBERSHIPS:

American National Standards Institute
ASTM International
IEEE

NIST Gallery of Distinguished Scientists, Engineers, and Administrators - 2020

Name, Tenure, Year Inducted into Gallery

Abramowitz, Milton	1938-1958	1995
Achenbach, Paul R.	1937-1979	1995
Albus, James S.	1973-2008	2009
Alexander, Samuel N.	1946-1967	1988
Allan, David W.	1960-1992	1995
Appel, William D.	1922-1959	N/A
Arif, Muhammad	1988-2018	2019
Armstrong, George T.	1951-1982	2002
Bailey, Dana K.	1947-1955 & 1959-1965	2003
Barbrow, Louis E.	1921-1969	1988
Barnes, James A.	1957-1983	1995
Bates, Phaon H.	1910-1945	2006
Bates, Roger	1939-1969	1988
Baum, Howard	1975-2006	2007
Bay, Zoltan L.	1955-1972	2006
Bean, Howard S.	1917-1958	2007
Beatty, Robert W.	1948-1974	2001
Beckett, Charles	1950-1976	N/A
Belecki, Norman B.	1970-1999	2020
Bennett, John A.	1936-1976	1995
Bennett, Lawrence	1958-1996	2000
Bentz, Dale P.	1980-1987 & 1988-2018	2019
Berger, Martin J.	1952-1988	2001
Berger, Patricia W.	1976-1978 & 1979-1992	2006
Berquist, James	1978-2013	2013
Bertocci, Ugo	1971-1992	2013
Birmingham, Bascom W.	1951-1982	1988
Birnbaum, George	1946-1956 & 1975-1995	2000
Blanch, Gertrude	1938-1954	2017
Blum, William	1909-1952	1988
Boettinger, William	1972-2011	2012
Brady, Edward L.	1963-1987	1988
Branstad, Dennis K.	1973-1994	2002
Brenner, Abner	1930-1971	1988
Brickwedde, Ferdinand G.	1925-1956	1988
Brode, Wallace R.	1923-1928 & 1947-1958	1988
Broida, Herbert P.	1949-1963	1988
Brombacher, William G.	1922-1954	1988
Brown, Frederick W.	1954-1962	1988
Buckingham, Edgar	1906-1937	2006
Bunten-Mines, Elaine	1968-1997	2010
Burrows, James H.	1979-1995	1999
Cage, Marvin E.	1976-2005	2014
Cahn, John W.	1977-2006	2007

Name, Tenure, Year Inducted into Gallery

Cali, J. Paul	1966-1978	1995
Cameron, Joseph M.	1947-1977	2002
Carpenter, B. Stephen	1964-2005	2007
Carpenter, Robert J.	1955-1992	1999
Carr, Kevin	1989-2005	2014
Carter, Robert S.	1958-1989	2003
Cassidy, Esther C.	1955-1997	1999
Caswell, Randall S.	1952-1994	1999
Celotta, Robert J.	1971-2017	2018
Cezairliyan, Ared	1963-1997	2015
Chapman, Robert E.	1975-2016	2018
Clark, Alan F.	1964-2004	2011
Coblentz, William W.	1905-1944	1988
Colvin, Burton H.	1972-1991	2002
Cook, Richard K.	1935-1966 & 1971-1976	2006
Costrell, Louis	1946-1987	2006
Coursey, Bert M.	1972-2011	2016
Crittenden, Eugene C.	1909-1950	1988
Croarkin, M. Carroll	1955-1963 & 1973-2000	2013
Cullen, William C.	1948-1981	2002
Currie, Lloyd A.	1962-2000	2004
Curtis, Harvey L.	1907-1946	1988
Curtiss, John H.	1946-1953	1988
Curtiss, Leon F.	1926-1961	2003
Cutkosky, Robert D.	1955-1991	2015
Day, Gordon W.	1969-2003	2004
Dellinger, J. Howard	1907-1948	1988
Deprit, Andre	1979-2003	2007
Deslattes, Richard D.	1962-2001	2002
Diamond, Harry	1927-1948	1988
Didion, David A.	1960-1962 & 1971-2002	2007
Digges, Thomas G.	1920-1962	1998
DiMarzio, Edmund A.	1963-1998	2004
Dorsey, N. Ernest	1903-1920 & 1928-1943	1988
Dowd, Ellen	1967-1973 & 1980-2006	2010
Driscoll, Raymond L.	1936-1971	2016
Dryden, Hugh L.	1918-1947	1988
Dunfee, Bernadine	1943-1976	2002
Dunmore, Francis W.	1918-1949	1988
Dunn, Gordon	1961-2002	2010
Durst, Richard A.	1963-1990	2009
Dziuba, Ronald F.	1961-2000	2007
Eberhardt, Keith	1978-2000	2009
Eby, Ronald K.	1963-1984	2003

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Edmonds, Jack R.	1959-1969	2014
Egelhoff, William F.	1979-2010	2011
Eisenhart, Churchill	1946-1983	1988
Ekin, John (Jack)	1973-2007	2013
Engen, Glenn F.	1954-1986	2001
Evenson, Kenneth M.	1963-2001	2002
Fanney, A. Hunter	1977-2017	2018
Fano, Ugo	1946-1966	1988
Fickett, Frederick R.	1967-2003	2007
Fields, Richard J.	1977-2004	2009
Fischer, Louis A.	1901-1921	1988
Fletcher, Donald G.	1951-1985	2002
Foote, Paul D.	1911-1927	1988
Franzen, Douglas L.	1970-1997	1999
Frederikse, Hans P. R.	1953-1996	2006
French, Judson C.	1948-1999	2001
Frohnsdorff, Geoffrey J.	1973-2002	2005
Furlani, Cita	1981-2012	2013
Furukawa, George T.	1948-1985	2003
Gadzuk, J. William	1968-2008	2009
Gann, Richard	1976-2012	2013
Gardner, Irvine C.	1921-1959	1988
Gary, Thomas A.	1962-2000	2005
Gebbie, Katharine B.	1968-2016	2016
Gibson, Kasson	1916-1955	N/A
Gilliland, Gary L.	1986-2005	2018
Glinka, Charles	1975-2007	2012
Goldberg, Robert N.	1969-2008	2016
Green, Melville	1954-1968	2010
Greenberg, Robert R.	1976-2008	2016
Greenspan, Martin	1935-1974	2000
Gross, John L.	1983-2016	2020
Guildner, Leslie A.	1959-1982	2016
Hall, John L.	1961-2004	2005
Haller, Wolfgang	1958-1984	2017
Hamer, Walter J.	1935-1970	1988
Hamilton, Clark A.	1971-1999	2004
Han, Charles C.	1974-2002	2004
Handwerker, Carol A.	1984-2005	2006
Harman, Donna K.	1988-2005	2015
Harman, George G.	1950-2003	2004
Harris, Forest K.	1925-1971	1988
Harris, Milton	1931-1944	1988
Harris, Richard E.	1975-2006	2008
Haynes, William M.	1970-2003	2005
Hayward, Evans	1950-1990	1995

Name, Tenure, Year Inducted into Gallery

Hayward, Raymond	1950-1986	N/A
Hebner, Robert E.	1972-1999	2004
Heinrich, Kurt F. J.	1964-1988	2008
Hermach, Francis L.	1939-1976	2001
Hertz, Harry S.	1973-2013	2014
Heydemann, Peter L. M.	1964-2001	2004
Heyl, Paul R.	1920-1942	1988
Heyman, Matthew	1978-2008	2010
Hill, James E.	1972-2007	2008
Hillebrand, William F.	1908-1925	1988
Hilsenrath, Joseph	1948-1974	2003
Hines, Verna Brown	1975-2006	2011
Hinman, Wilbur S.	1928-1953	1988
Hoer, Cletus A.	1956-1989	2001
Hoffman, James I.	1918-1962	1988
Hoffman, John D.	1954-1982	1988
Hord, Jesse L.	1961-1992	2003
Horlick, Jeffrey	1967-2006	2014
Horowitz, Emanuel	1951-1980	1988
Hougen, Jon T.	1967-2002	2003
Hudson, Ralph P.	1951-1980	1988
Huntoon, Robert D.	1941-1968	1988
Ingberg, Simon H.	1914-1947	1988
Isbell, Horace S.	1927-1968	1988
Jacox, Marilyn E.	1962-1995	2000
Jennings, Donald A.	1961-1991	2001
Jin, Deborah S.	1997-2016	2017
Johnson, Donald R.	1967-1993	2008
Johnson, Victor J.	1950-1972	1995
Jones, Sarah A.	1920-1966	1988
Judd, Deane B.	1927-1970	1988
Judson, Lewis V.	1917-1962	N/A
Julienne, Paul S.	1969-1973 & 1974-2013	2014
Kamper, Robert A.	1963-1994	1999
Kashiwagi, Takashi	1971-2001	2005
Katzke, Stuart	1975-1999 & 2001-2008	2013
Kautz, Richard	1976-1997	1999
Kayser, Jr., Richard F.	1976-2018	2019
Kelly, George E.	1970-2007	2016
Kerns, David M.	1946-1980	2001
Kessler, Karl G.	1948-1990	1999
Kim, Yong-Ki	1983-2006	2008
Kirby, Richard C.	1948-1950 & 1951-1965	2003
Kirsch, Russell A.	1951-1985	2006
Klebanoff, Philip S.	1941-1985	1995

NIST Gallery of Distinguished Scientists, Engineers, and Administrators - 2020

Name, Tenure, Year Inducted into Gallery

Kline, Gordon M.	1929-1963	1988
Koch, H. William	1949-1966	1988
Kostkowski, Henry J.	1954-1981	2001
Kramer, Samuel	1970-1997	1999
Krauss, Morris	1955-2004	2004
Kruger, Jerome	1955-1984	1998
Ku, Hsien (Harry)	1959-1985	2002
Kurylo, Michael J.	1969-2003	2015
Kushner, Lawrence	1946-1973	1988
Kusuda, Tamami	1962-1986	1998
Kuyatt, Chris E.	1960-1998	1999
Lafferty, Walter J.	1961-1995	2014
Lanczos, Cornelius	1943-1944 & 1949-1952	2010
Landon, Harry H.	1958-1972	2003
Lange, Oscar G.	1902-1937	2017
Lawn, Brian	1982-2009	2012
Leiss, James E.	1954-1986	2007
Levelt Sengers, Johanna M. H.	1963-1995	2000
Lias, Sharon G.	1956-2001	2005
Lide, Bettijoyce Breen	1969-2013	2018
Lide, David R.	1954-1988	1999
Lindstrom, Richard	1972-2007	2012
Lippiatt, Barbara C.	1977-2013	2015
Little, C. Gordon	1958-1965	2003
Lloyd, Frances L.	1977-1989	2009
Locascio, Laurie E.	1986-2017	2018
Long, Gabrielle G.	1965-1967 & 1980-2003	2014
Lovas, Francis J.	1970-2000	2015
Lowell, Percival D.	1913-1924 & 1941-1962	1988
Lozier, Daniel W.	1969-2019	2020
Lykke, Keith R.	1997-2016	2020
Lyons, Harold	1941-1955	1988
Madden, Robert	1961-1998	2000
Madey, Theodore E.	1963-1988	2003
Mandel, John	1947-2000	2002
Mann, Wilfred B.	1951-1980	1995
Marshall, Richard D.	1968-1996	2001
Martin, William C.	1957-1998	2002
Martinis, John M.	1987-2004	2008
Marton, Ladislaus L.	1946-1970	1998
May, Willie E.	1971-2017	2017
McLaughlin, William L.	1951-1996	2000
McMurdie, Howard F.	1928-1966	1998
McNish, Alvin G.	1920-1925 & 1946-1970	1988

Name, Tenure, Year Inducted into Gallery

McPherson, Archibald T.	1923-1965	1988
Meggers, William F.	1914-1958	1988
Meinke, W. Wayne	1963-1973	1988
Menzer, James P.	1954-1976	1999
Meyerson, Melvin R.	1946-1978	2001
Miller, Janet B.	1969-1981 & 1988-2007	2017
Milligan, Dolphus E.	1963-1973	1988
Mohler, Fred L.	1917-1960	1988
Moldover, Michael R.	1972-2019	2020
Moore, Robert F.	1973-2007	2008
Morrison, Graham	1979-1993	2016
Mountain, Raymond D.	1963-2008	2018
Muehlhause, Carl O.	1958-1982	2003
Murphy, Thomas J.	1946-1986	2003
Narella, Mary G.	1950-1987	1998
Nelson, Harold E.	1975-1992	2001
Nigro, James P.	1947-1974	1999
Nyyssonen, Diana	1969-1985	2008
Odishaw, Hugh G.	1946-1953	1988
Ohlemiller, Thomas J.	1979-2008	2011
Olien, Neil	1961-1991	2007
Olsen, Paul Thomas	1963-1994	2012
Olver, Frank W. J.	1961-1986	2011
Ott, William R.	1968-2011	2019
Paffenbarger, George C.	1929-1941 & 1946-1984	1988
Page, Chester H.	1941-1974	1988
Parr, Albert C.	1980-2007	2011
Parsons, Douglas E.	1923-1963	1988
Passaglia, Elio	1961-1987	1988
Peiser, H. Steffen	1957-1989	2009
Petersons, Oskars	1968-1994	2000
Pfrang, Edward O.	1966-1983	1995
Pierce, Daniel T.	1975-2007	2008
Plyler, Earle K.	1945-1963	1998
Powell, Cedric	1962-2006	2010
Priest, Irwin G.	1907-1932	N/A
Rabinow, Jacob	1934-1953 & 1972-1989	1988
Raby, Tawfik M.	1968-2009	2009
Radebaugh, Ray	1966-2009	2010
Reader, Joseph	1963-2014	2016
Reed, Richard P.	1956-1990	1995
Reimann, Curt	1962-1995	1999
Roberts, James R.	1964-1999	2003
Robertson, Alexander F.	1950-1981	1999
Romanoff, Melvin	1937-1970	1995

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Rosa, Edward B.	1901-1921	1988
Rosenberg, Samuel J.	1920-1964	1998
Rosenblatt, Joan	1955-1995	2000
Rosenstock, Henry	1960-1982	N/A
Rossini, Frederick D.	1928-1950	1988
Roth, Robert S.	1951-1991	2000
Rowe, J. Michael	1973-2004	2006
Rubin, Michael Rogers	1988-2009	2011
Ruegg, Rosalie T.	1970-2000	2005
Rumble, John R.	1980-2004	2017
Rush, John J.	1962-2004	2006
Saunders, Mary H.	1993-2008 & 2011-2017	2020
Saylor, Charles P.	1931-1968	1988
Schaffer, Robert	1950-1988	2001
Schooley, James	1960-1990	2010
Schoonover, Irl C.	1928-1930 & 1935-1969	1988
Schubauer, Galen B.	1929-1968	1995
Schwartz, Lyle	1984-1997	2010
Scott, Russell B.	1928-1965	1988
Scribner, Bourdon F.	1927-1973	2018
Seltzer, Stephen	1962-2010	2012
Semerjian, Hratch G.	1977-2007	2008
Shaffer, Sharon A.	1971-2006	2019
Silsbee, Francis B.	1911-1959	1988
Simpson, John A.	1948-1993	1999
Sitterly, Charlotte E. Moore	1945-1968	1988
Skillington, Jr., James	1960-1977	1999
Smid, Miles E.	1978-1999	2005
Smith, Ernest K.	1951-1965	2003
Snell, Jack E.	1971-2003	2005
Snyder, Wilbert F.	1927-1969	1995
Sorrows, Howard E.	1941-1952 & 1956-1987	1988
Souder, Wilmer	1910-1913 & 1917-1954	1988
Stegun, Irene A.	1943-1983	1995
Stephenson, John C.	1971-2005	2009
Stiehler, Robert D.	1946-1981	2002
Stimson, Harold F.	1916-1960	1988
Sugar, Jack	1960-1995	2017
Sullivan, Donald B.	1967-2003	2004
Sullivan, Francis E.	1982-1993	2017
Talbott, Terri	1972-2011	2012
Taussky-Todd, Olga	1947-1957	2002

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Taylor, Barry N.	1970-2001	2003
Taylor, John K.	1929-1986	1988
Taylor, Lauriston S.	1927-1964	1988
Teague, E. Clayton	1972-2011	2015
Teal, Gordon K.	1965-1967	N/A
Thomas, James L.	1927-1962	2003
Thomas, Richard N.	1957-1973	2011
Thomson, Robb	1971-1995	2000
Tilford, Charles R.	1970-2000	2014
Tilley, W. Reeves	1946-1980	1995
Todd, John	1947-1957	2002
Tsang, Wing	1962-2013	2019
Tuckerman, Louis B.	1919-1949	1988
Uriano, George A.	1961-1995	1999
Van Brunt, Richard J.	1978-1996	2003
Vinal, George W.	1904-1950	1988
Wachtman, Jr., John. B.	1951-1983	1988
Waidner, Charles W.	1901-1922	N/A
Wait, James R.	1955-1980	1995
Walleigh, Robert. S.	1943-1953 & 1957-1978	1988
Washburn, Edward W.	1926-1934	1988
Watters, Jr., Robert L.	1976-2016	2019
Wegstein, Joseph H.	1951-1984	1995
West, E. Dale	1948-1974	2002
Wichers, Edward	1917-1963	1988
Wiederhorn, Sheldon	1963-2008	2011
Wiese, Wolfgang L.	1960-2004	2005
Wildhack, William A.	1935-1969	1988
Willenbrock, F. Karl	1970-1976	N/A
Williams, Edwin Ross	1971-2008	2011
Wilson, Charles L.	1979-2006	2019
Wineland, David J.	1975-2017	2019
Wolff, Frank A.	1901-1941	1988
Wright, James R.	1960-1985	1999
Wright, Richard N.	1971-1999	2002
Wu, Wen-li	1979-2013	2013
Yates, Jr., John T.	1963-1982	2003
Youden, William J.	1948-1965	1988
Young, Russell D.	1961-1981	1988
Zeisler, Rolf L.	1978-1991 & 1996-2009	2018
Zimmerman, James E.	1970-1985	2001

N/A = not available



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