Established in 1998
Brooklyn Technical High School

Founded 1922

Current Building Opened 1933
INDUCTED IN 1998
Albert L. Colston, Ph.D.
Frank A. Cipriani, Ph.D., '51
Adam J. Cirillo '29
General James E. Dalton '49
Bernard Friedland, Ph.D., '48
Meredith C. Gourdin, Ph.D., '48
Stuart Kessler '47
Marvin Kitman '47
Sal Restivo, Ph.D., '58
George Wald, Ph.D., '23

INDUCTED IN 1999
Col. Karol J. Bobko '55
Donald L. Klein, Ph.D., '49
Sgt. Meyer S. Levin '34
Harvey Lichtenstein '46
Leonard Riggio '58

INDUCTED IN 2000
Harry Chapin '60
Joseph J. Kohn, Ph.D., '50
Arno A. Penzias, Ph.D., '51
Charles B. Wang '62
Josh S. Weston '46

INDUCTED IN 2003
Joseph J. Jacobs, Ph.D., '34
William L. Mack '57
Saverio “Sonny” Morea '50
Steven P. Shearing, M.D., '52

INDUCTED IN 2005
Joseph M. Colucci, P.E., '54
Bernard R. Gifford, Ph.D., '61
Joseph “Tucker” Madawick '37
George W. Sutton, Ph.D., '45
Paul C. Szasz, LL.B., '47

INDUCTED IN 2012
Matthew M. Mandery, Ed.D., '61
Achilles Perry '58
Michael A. Weiss '57

INDUCTED IN 2013
George L. Bing '41
Isaac (Ike) Heller '43
Richard Schwartz '53
Irwin Shapiro '47
Steven J. Sasson '68
Louis H. Siracusano, Sr. '60
Laurie C. Zephyrin, M.D., M.P.H., M.B.A., '92
Brooklyn Technical High School

ALUMNI HALL OF FAME

Established 1998

We recognize those who have graduated from Brooklyn Tech High School and achieved distinction in their respective fields, hoping that their examples will inspire new generations of students to appreciate an education stressing science, technology, engineering and mathematics.
ALBERT L. COLSTON, PH.D.

Creator and Founder, Brooklyn Tech High School

Inducted 1998

The creator and founding principal of Brooklyn Technical High School, Dr. Colston presented a paper to the Brooklyn Engineers Club in 1918 that was to serve as the blueprint for “the modern technical high school.” His dream was realized when Tech opened its doors in 1922 and for 20 years he served as principal, overseeing construction of the current building that opened in 1933. Dr. Colston’s vision and leadership changed the concept of secondary technical education.

FRANK A. CIPRIANI, PH.D., ’51

Educational Leader

Inducted 1998

President of the State University of New York at Farmingdale for 20 years, Dr. Cipriani earned a reputation as a leading advocate of international education and supporter of a strong humanities component in technical education curricula. A graduate of Queens College, he earned his Ph.D. at New York University and held the rank of Captain and rating of Navigator-Flight Instructor in the Air Force.
ADAM J. CIRILLO ’29
Educator, Coach, Mentor
Inducted 1998

An inspirational Brooklyn Tech football coach for 30 years, Mr. Cirillo guided Tech teams to some of their finest seasons and greatest victories. He was also known for his ability to instill a respect for education and a commitment to excellence in “his boys.” A graduate of Lafayette College with achievement in business, engineering, and community service, his legacy as a teacher, coach, and leader earned him the name “Mr. Tech.”

GENERAL JAMES E. DALTON ’49
USAF Four Star General
Inducted 1998

A distinguished graduate of West Point with a much decorated 31-year Air Force career, General Dalton served as chief of staff, Supreme Headquarters Allied Powers Europe and with the U.S. Delegation for the negotiation of the SALT I Arms Control Agreement with the Soviet Union. Among his many honors are the Legion of Merit with Oak Leaf Cluster, Distinguished Flying Cross, Bronze Star, and Defense Distinguished Service Medal, with Oak Leaf Cluster.
BERNARD FRIEDLAND, PH.D., ’48

Engineer, Author, Distinguished Professor

Inducted 1998

The author of four textbooks, over 100 technical papers and holder of 12 patents, Dr. Friedland is a Distinguished Professor in the Department of Electrical and Computer Engineering at the New Jersey Institute of Technology, where he teaches system and control theory and engages in research in its applications. His honors include a National Science Foundation Fellowship, The Illig Medal in Applied Science, and the Oldenberger Medal of the American Society of Mechanical Engineers.

MEREDITH C. GOURDINE, PH.D., ’48

Engineer, Inventor, Olympic Medalist

Inducted 1998

A creative inventor with a Ph.D. in Engineering Physics from the California Institute of Technology, Dr. Gourdine holds over 70 foreign and U.S. patents in electrogosdynamics, vortadynamics, and thermovoltaic cells. As a member of the 1952 U.S. Olympic Team, he won a silver medal in the broad jump competition at Helsinki. He was a Guggenheim Fellow and member of the Science and Engineering Hall of Fame, the National Academy of Engineering and the Black Inventors Hall of Fame.
STUART KESSLER ’47

Influential Accounting Industry Leader

Inducted 1998

A nationally respected CPA and financial planner, Mr. Kessler was a founding partner of the largest “one-office” accounting firm in the world. Kessler served as President of the American Institute of CPAs. He also is the first living member of the NYS Society of CPAs Hall of Fame. He is a graduate of Brooklyn College with service in the Air Force. He also holds an M.B.A. from Baruch College, a J.D. from Brooklyn Law School and an LL.M. in taxation from New York University.

MARVIN KITMAN ’47

TV Critic & Author

Inducted 1998

An acclaimed humorist and television critic, Mr. Kitman is the author of eight books. His nationally syndicated column is a comprehensive chronicle of 30 years of television and culture. A City College of New York graduate, he was awarded the Society of the Siluvians Humorous Writing Award and the Special Commentary Award. He hopes to be remembered as the author of Kitman’s Laws: “On TV screen, pure drivel tends to drive off ordinary drivel.”
SAL RESTIVO, PH.D., ’58

Professor, Author, Researcher

Inducted 1998

A professor of Sociology and Science Studies at Rensselaer Polytechnic Institute, Dr. Restivo was a leading researcher in the sociology of science and mathematics for more than two decades. He has published seven books, one of which, The Social Relations of Physics, Mysticism, and Mathematics, has become a classic. His work on the sociology of mathematics has been extremely influential in the field of math education worldwide.

GEORGE WALD, PH.D., ’23

Biologist, Nobel Laureate

Inducted 1998

The joint winner of the Nobel Prize in 1967 for his research on how the eye passes images to the brain, Dr. Wald spent 43 years teaching at Harvard University and doing research, including significant work about how Vitamin A affects vision. He was an outspoken opponent of the U.S. involvement in Vietnam and became an energetic advocate of what he called “survival politics,” speaking out on subjects such as the Cold War, human rights violations, and various liberation movements.
**COL. KAROL J. BOBKO ’55**

*NASA Astronaut*

*Inducted 1999*

A NASA astronaut who logged 386 hours in space on three missions, Col. Bobko was the pilot of the maiden voyage of the spacecraft *Challenger*, the mission that conducted the first shuttle space walk. He was the commander of the spacecraft *Atlantis*’s first flight. A member of the Air Force Academy’s first graduating class, he holds the Distinguished Flying Cross and two Meritorious Service Medals. He was awarded the Air Force Academy’s prestigious Jabara Award in 1983.

**DONALD L. KLEIN, PH.D., ’49**

*Inventor*

*Inducted 1999*

The leader of the team at Bell Telephone Laboratories that created the polysilicon Field-Effect Transistor in 1966, Dr. Klein’s advance has been the key to very large scale integrated circuits and the advancement of computers and communications technologies. The innovative breakthrough was to employ polycrystalline silicon in a self-aligned process to replace the previously used thin metal films. It has become the standard process for manufacturing all silicon semiconductor memory and microprocessor circuit chips.
SGT. MEYER S. LEVIN ’34
Decorated Air Force Hero
Inducted 1999

Brooklyn Tech’s first World War II hero, Air Force Master Sergeant Levin was a much-decorated B-17 bombardier in the Pacific theater, flying in the first planes to attack the enemy after Pearl Harbor. On January 7, 1943, his plane ran out of fuel and the crew was ordered to parachute to safety. However, Sgt. Levin remained on board long enough to drop the life raft that saved the crew’s lives. He did not survive the crash.

HARVEY LICHTENSTEIN ’46
Arts Administrator & Impresario
Inducted 1999

An impresario with a worldwide reputation as an innovator in the arts, Mr. Lichtenstein guided BAM for 32 years, creating America’s leading contemporary performing arts institution. From 1971 to 1973, he served as the American Director of Italy’s Spoleto Festival and created the cutting edge Next Wave Festival at BAM in 1983. His extraordinary contribution to the arts has been recognized in awards, including Sweden’s Order of the Polar Star and induction into the Chevalier French Legion of Honor.
LEONARD RIGGIO ’58

Founder & CEO, Barnes & Noble, Inc.
Inducted 1999

Leonard Riggio began his career as a clerk at the NYU bookstore. Convinced he could provide better service to students, he opened a competing store in 1965. His business thrived and, in 1971, he bought the flagship Barnes & Noble bookstore. He changed the book industry with such innovations as extensive selection of books, discounts, and comfortable stores that have become community institutions. His revolutionary concepts have made Barnes & Noble the world’s largest and most respected bookseller.

HARRY CHAPIN ’60

Entertainer & Humanitarian
Inducted 2000

A seasoned performer while still at Tech, Mr. Chapin’s career included gold album records, his famous number one hit, “Cat’s in the Cradle,” an Oscar-nominated documentary film, a Tony-nominated stage show and an Emmy-winning children’s television program. In 1975, he founded World Hunger Year, a charity to fight international famine. In 1981, at the height of his popularity and influence, Mr. Chapin was killed in an automobile accident.
JOSEPH J. KOHN, PH.D., ’50

Eminent Mathematician

*Inducted 2000*

A native of Czechoslovakia, Dr. Kohn with his family emigrated to Ecuador in 1939 and to the U.S. in 1956. He was professor and chair of mathematics at Princeton University. He was awarded the Steele Prize of the American Mathematical Society, the Bolzano Prize of the Union of Czechoslovak Mathematicians and Physicists, and an Honorary Doctorate from the University of Bologna. He was elected to the American Academy of Sciences and to the U.S. National Academy of Sciences.

ARNO A. PENZIAS, PH.D., ’51

Nobel Laureate

*Inducted 2000*

Winner of the Nobel Prize in Physics in 1978 for his contributions to astrophysics, Dr. Penzias worked at Bell Labs for most of his career, first as a research scientist and later as the head of its research organization. An author, R&D leader, and inventor, he later moved to Silicon Valley, where he helped aspiring scientists and engineers to create a number of successful high-technology companies.
CHARLES B. WANG ’62
Technology Pioneer
Inducted 2000

A native of Shanghai, China, Mr. Wang founded Computer Associates International in 1976, building it to a multi-billion dollar company. He founded the Smile Train, an organization committed to eradicating the problem of cleft lips and palates. Mr. Wang endowed the Asian American Center at SUNY Stony Brook and supports the National Center for Missing and Exploited Children, whose national headquarters bear his name. A lifelong sports fan, he owns the NHL’s N.Y. Islanders.

JOSH S. WESTON ’46
Business Leader and Philanthropist
Inducted 2000

A Fulbright Scholar after graduating magna cum laude from City College, Mr. Weston retired as Chairman after building Automatic Data Processing into a $6 billion and 5,000 employee company. He served on the boards of many colleges, corporations, and other institutions including Boys Town of Jerusalem, Liberty Science Center (NJ), International Rescue Association, and Channel Thirteen. He served in the Navy and holds four honorary doctorates.
JOSEPH J. JACOBS, PH.D., ’34

Engineer, Humanitarian and Author

Inducted in 2003

During World War II, Joseph J. Jacobs, Ph.D., ’34 helped develop the mass production of the wonder drug penicillin. He founded Jacobs Engineering Group and took it from a one-man chemical process consultancy to its present status as one of the world’s leading engineering-construction companies with offices on four continents. Dr. Jacobs served as Chairman of the Board of Trustees of Polytechnic University and, in 1983, received the Hoover Medal, which recognizes the civic and humanitarian achievement of professional engineers.

WILLIAM L. MACK ’57

Real Estate Leader and Philanthropist

Inducted in 2003

For over four decades, William L. Mack ’57 developed real estate projects around the globe. After serving in the Air Force, he began his real estate career with one small site leading to such projects as the Time Warner Center at Columbus Circle. Mr. Mack was the first Chairman of the Long Island Power Authority and founded the Mack Center at the Wharton School. Mr. Mack is the Managing Partner of Apollo Real Estate Advisors and is Chairman of Mack-Cali Realty Corporation.
SAVERIO “SONNY” MOREA ’50

Award-Winning NASA Engineer

Inducted in 2003

One of America’s foremost pioneers of flight, Saverio Morea ’50 received his private pilot’s license during his junior year at Tech, later earning his commercial pilot’s license. He was NASA’s Project Manager for the F-1 engine, the world’s largest and most powerful liquid rocket engine, and the J-2 engine. He also led the team that developed the Lunar Roving Vehicle that astronauts used to move around the moon’s surface. For these significant contributions to space exploration, Saverio Morea was twice awarded NASA’s Exceptional Service Medal.

STEVEN P. SHEARING, M.D., ’52

Inventor & Ophthalmologic Surgeon

Inducted in 2003

Thanks to the creation of the “Shearing Lens” by Steven P. Shearing, M.D., ’52, thousands of people around the world have experienced the unique joy of improved sight after cataract surgery. A Fulbright Scholar, he is a member of the Nevada Inventors Hall of Fame, and only the second person to receive the American Society of Cataract and Refractive Surgery Innovator’s Award. In 1993, the Steven P. Shearing Chair of Ophthalmology was established at the University of California.
JOSEPH M. COLUCCI, P.E., ’54

Engineer and Environmentalist

Inducted 2005

Joseph Colucci led efforts that greatly improved the quality of automotive fuels and lubricants around the world. Now, vehicles last longer, drive better and produce fewer emissions, resulting in cleaner air. He spearheaded the movement to reformulate automotive fuels and remove sulfur to lower emissions. Mr. Colucci is a Distinguished Alumnus of Michigan State University; he received the prestigious Edward N. Cole Award for Automotive Engineering Innovations from the Society of Automotive Engineers and is a member of the National Academy of Engineering.

BERNARD R. GIFFORD, PH.D., ’61

Scientist, Educator, Change Agent

Inducted 2005

Bernard Gifford, the first person in his family to graduate from high school, received his Ph.D. in biophysics in 1972 from the University of Rochester Medical School. He made significant contributions to education as Deputy Chancellor of the NYC Public Schools (1973-1977), as Dean of the Graduate School of Education at UC Berkeley (1983-1990) and as a lifetime champion of high academic standards for all students. Dr. Gifford was a Kennedy Fellow at Harvard’s John F. Kennedy School of Government and Vice President of Education at Apple Computer, Inc.
JOSEPH “TUCKER” MADAWICK ’37

Legendary Industrial Designer

Inducted 2005

Called a “Living Legend” by the Ford Motor Company for his work on pre-war Fords and their B-24 bomber, and by the RCA Corporation as head of its Advanced Design Center, Joseph Madawick led the design team that created the 1948 famed Tucker automobile as the “Car of Tomorrow”. As a member of the Loewy team, he shared in many of the design accolades attributed to the international flavor of the Studebaker Starliner. He served as President of the Industrial Designers Institute and its successor, the Industrial Designers Society of America.

GEORGE W. SUTTON, PH.D., ’45

Mechanical Engineer, Author and Editor

Inducted 2005

A Caltech graduate magna cum laude, George W. Sutton developed the ablation heat shield that allowed reentry from space. First used on missiles, it was later used on America’s first satellite earth observation system for film recovery. He designed the first high power laser and also developed the high frequency transcutaneous energy supply that now powers artificial hearts. For 30 years, Dr. Sutton was Editor-in-Chief of the AIAA Journal. He is a member of the National Academy of Engineering, and co-authored three books.
PAUL C. SZASZ, LL.B., ’47

International Civil Servant, Scholar & Champion of International Law

Inducted 2005

Born in Vienna, Austria, Paul Szasz came to America in 1941 and became a distinguished international lawyer. He helped develop the International Atomic Energy Agency Safeguards against diverting civilian nuclear materials into military uses, and served as Director of the General Legal Division and Deputy Legal Counsel at the United Nations. He published over 130 books, articles, and other studies on international law.

MATHEW M. MANDERY, ED.D., ’61

Founder and Leader, Brooklyn Tech Alumni Foundation

Inducted 2012

Mathew M. Mandery, the only Tech alumnus to serve as principal of Brooklyn Tech, had the extraordinary vision to build an alumni organization that would support Tech through financial, social and educational contributions. His keen insight, deep commitment and love for the school were at the core of the creation of the Foundation. His eventual return to Tech where he served as the Foundation’s CEO, was marked by the development of programs to expand and strengthen the Foundation and connect Tech to the larger STEM community through strategic partnerships. Dr. Mandery helped bring the Foundation to national prominence and the alumni educational programs are part of the permanent fabric of Brooklyn Tech.
ACHILLES PERRY ’58

Founder and Leader, Brooklyn Tech Alumni Foundation

*Inducted 2012*

In his role as one of the founders of the Brooklyn Tech Alumni Foundation, Achilles served as President of the Board of Directors from 1983-2011. Always a fervent and enthusiastic champion of Brooklyn Tech, Achilles helped guide the development of the practices and policies of the Foundation which have made the organization sustainable and viable. His successful careers in consulting, management, and real estate have made him invaluable to the continued evolution of the Alumni Foundation; he is so honored for his three decades of leadership.

MICHAEL A. WEISS ’57

Founder and Leader, Brooklyn Tech Alumni Foundation

*Inducted 2012*

Michael A. Weiss who had more than a twenty-four year history as a Brooklyn Tech teacher, counselor, college advisor, and assistant principal, always had ideas about creating an alumni organization that would engage and galvanize alumni, and raise money for the purpose of supporting Brooklyn Tech. His idea became the groundwork upon which the Alumni Foundation was built. Through further use of his skills developed in the public sector as well as his boundless love for Brooklyn Tech, the Alumni Foundation became a national model and continues to be a strong proponent for the school, its students and faculty.
GEORGE L. BING ’41
Tuskegee Airman and Photographer
Inducted 2013

The late George L. Bing served his country proudly as one of the famed Tuskegee Airmen, America’s first black aviation unit in World War II. These 1,000 African American fighter pilots, called the Black Birdmen by the Germans, flew more than 1,500 missions. Mr. Bing later recalled telling his instructor during his first training flight, “Up until now the highest I’d ever been was the ninth floor of Brooklyn Technical High School.” After the war he operated a successful photo studio in Brooklyn and then headed photography services for the Brooklyn Air Terminal and Brooklyn College.

ISAAC (IKE) HELLER ’43
Founder, Remco Toys and Heller Industrial Parks
Inducted 2013

Raised on a rural farm as a small boy, Isaac Heller moved to Brooklyn and studied electrical engineering at Tech. Drafted into the Navy after graduating, he was assigned to repair electronic parts on a ship. To idle away quiet moments, he built toys from spare parts. This later inspired him to found an iconic toy manufacturer of the 1950s and 60s – Remco. After selling Remco, he founded Heller Industrial Parks, one of the nation’s largest privately held industrial parks. Mr. Heller has famously said, “Brooklyn Tech made my life.”
RICHARD SCHWARTZ ’53
Developer of the GPS Satellite
Inducted 2013

The world navigates by a Global Positioning System (GPS) whose space-based heart is a sophisticated atomic clock system housed in satellites. Until Richard Schwartz and his team developed, built and launched the first GPS satellites in 1978, many experts considered an economical space-based navigation system to be an impossibility. Mr. Schwartz says he first learned how to solve detailed technical problems, visualize new technologies’ capabilities and build exceptional teams – at Brooklyn Tech. A member of the GPS and Space Technology Hall of Fame, Mr. Schwartz, received the 2012 Robert H. Goddard Memorial Trophy.

IRWIN SHAPIRO ’47
Astrophysicist and Educator
Inducted 2013

Irwin Shapiro, Timken University Professor at Harvard, was director of the Harvard-Smithsonian Center for Astrophysics for over 21 years. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences. A recipient of prestigious awards from six different scientific organizations in different fields, he recently received the 2013 Einstein Prize of the American Physical Society for his contributions to science – “the Shapiro time delay” – which correctly predicted the slowing effect that mass has upon the propagation of light.
STEVEN J. SASSON ‘68
Inventor of the Digital Camera
Inducted 2013

In 1974, a supervisor at Kodak’s Rochester, N.Y. research laboratory gave Steven Sasson a “very open-ended task”: to explore potential applications of a new technology recently developed elsewhere. Tinkering with spare parts and inexpensive electronics, he produced an eight pound aluminum box, about the size of a bread box, that took pictures electronically. His first test image portrayed a piece of black and white cardboard. Mr. Sasson received the National Medal of Technology and Innovation, the highest honor the United States awards to scientists, engineers and inventors. He is in the National Inventors Hall of Fame.

LOUIS H. SIRACUSANO, SR. ’60
Video and Broadcast Innovator
Inducted 2013

Louis Siracusano founded and ran a company that created the studios seen by millions of viewers of the Fox News Network, Food Network, USA Network, NY1, and other TV favorites– and the behind-the-scenes electronic infrastructures audiences don’t see. After selling the company in 2000 to AT&T Liberty Media, he started another one that provides the TV industry with high definition and fiber network systems and facilities. Mr. Siracusano is a recipient of the Ellis Island Medal of Honor. Mr. Siracusano always says, “Brooklyn Tech was the foundation of my career.”
LAURIE C. ZEPHYRIN M.D., M.P.H., M.B.A., ’92
Physician, Public Health Leader, Health Systems Innovator

*Inducted 2013*

Dr. Laurie C. Zephyrin is a physician, health policy maker, public health leader and health systems innovator.

Her commitment and passion to underserved populations led to her current position as the U.S. Department of Veterans Affairs’ first national Director of Reproductive Health in Women’s Health Services. Today Dr. Zephyrin orchestrates the staff, resources, innovations and vision that compassionately serve the women who valiantly served their country.