LUNCHEON & INDUCTION CEREMONY of the 2012 CHARTER FELLOWS of the National Academy of Inventors

Friday February 22, 2013
Embassy Suites Hotel at the USF Research Park
Tampa, Florida
February 22, 2013

Dear Friends,

I am honored to welcome the National Academy of Inventors for their Annual Conference being held on the campus of the University of South Florida.

It is a privilege for the USF campus and the City of Tampa to host the National Academy of Inventors Annual Conference this year. The National Academy of Inventors is a non-profit membership organization that has grown exponentially over the last three years. This annual event and luncheon brings together individuals from chapter based universities to come together to recognize and encourage inventors who have a United States Patent. The conference and the organization helps to enhance visibility on academic innovation, educate students, and through their inventions, provide benefits to our society and community as a whole.

I join you in welcoming your keynote speaker, the U.S. Commissioner for Patents, Ms. Margaret A. Focarino. Commissioner Focarino started her career as a patent examiner in 1977 and continued her career within the United States Patent and Trademark Office when in January 2012 she was appointed Commissioner. She has been commended for her effective leadership and management training throughout her career. I thank the National Academy of Inventors, the University of South Florida, and the devoted Charter Members who will be inducted today should be thanked for their efforts in making this conference possible.

On behalf of the constituents of the Fourteenth Congressional District of Florida, I offer best wishes for a successful and innovative conference this year and for many years to come.

Sincerely,

Kathy Castor
United States Representative
Florida, District 14
PROGRAM

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United States Patent and Trademark Office

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Paul R. Sanberg

Announcing the Fellows: Stuart Silverman
Dean, The Honors College, University of South Florida
Anne H. Chasser, Former U.S. Commissioner for Trademarks, United States Patent and Trademark Office

Anne H. Chasser is an author, intellectual property strategist and expert. As Strategic Advisor for Wolfe-SMBC, she advises clients on IP strategy, branding and licensing and provides expert work in litigation matters. From 1999-2004 she served as the Commissioner for Trademarks at the USPTO. During her term, the Trademark Operations implemented full electronic processing of trademark applications and examination and the Madrid Protocol. Managing Intellectual Property Magazine named her one of the Fifty Most Influential People in Global Intellectual Property. Formerly associate vice president for Intellectual Property for the University of Cincinnati, she chaired the Ohio Technology Transfer Officers Council, and served on the boards of the Cincinnati Intellectual Property Law Association and National Inventors Hall of Fame. She was president of the International Trademark Association and testified before Congress in that capacity. She is co-author of Domain Names Rewired and of Brand Rewired: Connecting Intellectual Property Protections, Branding and Creativity, published by Wiley & Son and ranked among the top 35 books in product development on Amazon.

Patents and Progress: The USPTO Outlook
Margaret A. Focarino, U.S. Commissioner for Patents, United States Patent and Trademark Office

Margaret A. Focarino became Commissioner for Patents for the U.S. Patent and Trademark Office in 2012. She has been with the agency for more than 34 years, beginning her career at the USPTO in 1977 as a patent examiner. She became a supervisory patent examiner in 1989 and was promoted to the Senior Executive Service in 1997. She received the Department of Commerce Bronze Medal Award in 1993 for her work as a supervisory patent examiner and the Department of Commerce Silver Medal for leadership in 2010 for leading a joint union and management task force that developed and implemented the first significant changes to the patent examiner work credit system in more than 30 years.

Commissioner Focarino was the 2010 recipient of American University’s School of Public Affairs Roger W. Jones Award for Executive Leadership. The annual award recognizes two public servants in the federal government whose careers are marked by extraordinary effectiveness in organizational performance and strong commitment to training and development of employees. She has been a strong advocate for independent inventors and small business initiatives. In her role as commissioner, she has led a continued effort to educate and assist the inventor community and small businesses. She was instrumental in the USPTO’s efforts to expand its educational outreach program to include universities, graduate and undergraduate students, technology transfer faculty, and entrepreneurship offices.

She received her B.S. in Physics from the State University of New York, and a certificate in advanced public management from Syracuse University’s Maxwell School of Citizenship and Public Affairs.
Election to NAI Fellow status is a high professional distinction accorded to academic inventors who have demonstrated a highly prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and the welfare of society.

Nominees must be a named inventor on at least one patent issued by the United States Patent and Trademark Office and must be affiliated with a university, nonprofit research institute or other academic entity.

Academic inventors and innovators elected to the rank of NAI Charter Fellow are nominated by their peers for outstanding contributions to innovation in areas such as patents and licensing, innovative discovery and technology, significant impact on society, and support and enhancement of innovation.

The nomination packets are reviewed by the NAI Fellows Selection Committee. The number of Fellows elected each year is dependent on the quality of the nominations submitted. Committee members may not vote on a nominee from their own institution. Decisions of the Selection Committee are final. If a nominee is not elected to Fellow status, he or she may be nominated and selected at a future time.
Dharma P. Agrawal, University of Cincinnati

Dharma P. Agrawal, D.Sc., is Ohio Board of Regents Distinguished Professor at the University of Cincinnati. He has provided leadership in education and exemplary accomplishments in wireless technologies, including sensor networks. He is the recipient of the 2008 Harry Goode Memorial award, IEEE second millennium medal, Excellence in Mentoring of Doctoral Students (2011), and ISI Highly Cited Researcher (2002). He holds six U.S. patents and 24 patent disclosures. He is the co-founder of the Global Information Services LLC. He has published 624 articles, seven books, 40 book chapters and serves as editor or editorial board member for six peer-reviewed journals. He is a fellow of IEEE, ACM, AAAS, and WIF.

Anthony Atala, Wake Forest University

Anthony Atala, M.D., is director of Wake Forest Institute for Regenerative Medicine and chair of Urology at Wake Forest School of Medicine. He is a practicing surgeon and a researcher in regenerative medicine. He is editor-in-chief of Stem Cells-Translational Medicine and Therapeutic Advances in Urology, and serves on the editorial board of 20 journals. He has received the Christopher Columbus Award, World Technology Award in Medicine, Samuel Gross Prize, Barringer Medal, and Gold Cystoscope award. His medical breakthroughs have been featured in Time magazine and U.S. News & World Report. He is the editor of 12 books, has published over 300 journal articles, and has over 40 patents.

Benton F. Baugh, University of Houston

Benton F. Baugh, Ph.D., P.E., is Distinguished Adjunct Professor of Mechanical Engineering at the University of Houston and president of Baugh Consulting Engineers, Inc., which does oilfield related consulting, patent licensing, and expert witness work. He is a registered professional engineer having earned a BSME degree from the University of Houston and earned MS and Ph.D. degrees from Kennedy Western University. He founded, built, and sold Radoil, Inc., which specializes in manufacturing offshore equipment. He is a member of the National Academy of Engineering, a fellow of the ASME and MTS Societies and has been recognized as an industry pioneer by the Offshore Energy Center. He holds more than 100 patents.

Khosrow Behbehani, University of Texas at Arlington

Khosrow Behbehani, Ph.D., serves as chair of the Bioengineering department at the University of Texas at Arlington. He is a leading innovator in developing methods and devices for detection and treatment of sleep disordered breathing and chronic pulmonary disease. He is the recipient of the University of Texas Chancellor’s Entrepreneurship and Innovation Award, and holds nine U.S. patents some of which are internationally registered. Over a million patients have been treated with devices designed using his bioengineering innovations. He is a fellow of the American Institute of Medical and Biological Engineering, and the Institute of Electrical and Electronics Engineers.

Raymond J. Bergeron, University of Florida

Raymond J. Bergeron, Ph.D., is Emeritus Graduate Research Professor at the University of Florida. He received his Ph.D. in Organic Chemistry from Brandeis University, studied under Nobel Laureate Konrad Bloch at Harvard, and joined the chemistry faculty at the University of Maryland. In 1978, he moved to the University of Florida department of Medicinal Chemistry, where he established his expertise in polyamine and iron metabolism, leading to the development of anticancer drugs and treatments for children with iron overload disease. He has published 200 papers and a bioorganic chemistry text, edited two books and generated over 200 patents. Six of his discoveries have reached human clinical trials.
Gerardine G. Botte, Ohio University

Gerardine G. Botte, Ph.D., is Russ Professor of Chemical and Biomolecular Engineering and currently serves as director of the Center for Electrochemical Engineering Research, Ohio University. She is a leading researcher in electrochemistry and has made significant innovations in this field. She is a fellow of the WTN and was named a finalist of the WTA 2010. She holds seven U.S. patents and two foreign patents that have been licensed. She is the founder and CTO of E3 Clean Technologies. She has published 56 articles, four book chapters and serves as editor for the Journal of Applied Electrochemistry. She is a member of prestigious organizations such as the ECS and the ISE.

Robert H. Brown, Jr., University of Massachusetts Medical School

Robert H. Brown, Jr., M.D., D.Phil., is professor and chair of Neurology at the University of Massachusetts Medical Center and Medical School, and founder and director of its Day Neuromuscular Research Laboratory. He graduated from Harvard Medical School, completed his doctoral training in neurophysiology at Oxford University, and trained in Neurology at the Massachusetts General Hospital. His laboratory focuses on identification of gene defects that elucidate the molecular pathogenesis of selected neuromuscular diseases including ALS, muscular dystrophy, adrenoleukodystrophy, hereditary neuropathy and hyperkalemic periodic paralysis. Knowledge of these genes facilitated the creation of mouse and cell-based models that have allowed study of therapeutic strategies using conventional small molecule approaches and new modalities such as inhibitory RNAi.

Robert L. Byer, Stanford University

Robert L. Byer, Ph.D., is professor of Applied Physics at Stanford University where he served as department chair and dean of Research. He has made significant contributions and inventions in the fields of lasers and nonlinear optics. He is a member of the NAE and the NAS, and received the Third Millennium Medal and the Photonics Award (IEEE), and the Federic Ives Medal (Optical Society of America). He has published over 400 scientific papers and holds over 50 patents, licensed worldwide. Key patents relate to lasers and to nonlinear optics such as the patent for the green laser pointer. He served as president of the Photonics Society (IEEE), the OSA, and the American Physical Society.

Sir Roy Calne, University of Cambridge

Sir Roy Calne, FRS, is a British surgeon and pioneer in organ transplantation; he performed the first liver transplantation operation in Europe in 1968, the world’s first liver, heart, and lung transplant in 1987; and the first successful stomach, intestine, pancreas, liver, and kidney cluster transplant in 1994. He is a fellow of the Royal Society and was professor of Surgery at Cambridge University (1965-98). He was Harkness Fellow at Harvard Medical School (1960-61). He is currently the Yoah Ghim Professor of Surgery at the National University of Singapore. He received the Lister Medal, Ellison-Cliffe Medal from the Royal Society of Medicine and Lasker Award.

Curtis R. Carlson, SRI International

Curtis R. Carlson, Ph.D., is president and CEO of SRI International, and a world authority on creating value for customers through innovation. Carlson led development of HDTV technology that became the U.S. standard and received two Emmy® Awards for technical achievement. His book with William Wilmot, Innovation: The Five Disciplines for Creating What Customers Want, describes how SRI’s unique process for innovation can be applied to all types of government and commercial enterprises. He serves on the Scientific Advisory Board of the Singapore National Research Foundation, Innovation Leadership Council for the World Economic Forum, and National Advisory Council on Innovation and Entrepreneurship. He received a lifetime achievement award from Rutgers University and the Otto Schade Prize.
Nai Yuen Chen, University of Texas at Arlington

Nai Yuen Chen, Sc.D., is Distinguished Research Professor of Materials Science & Engineering at UT Arlington. He has been a member of the National Academy of Engineering since 1990. He came to UT Arlington in 2011. As a scientist at Mobil Research Laboratory between 1960 and 1993, he was the inventor of 126 U.S. patents on novel catalysts, oil refining, petrochemical and biomass processes. He was the major author of three books on Shape Selective Catalysis and contributor to eight other books on Automotive Emissions Control, Catalyst Design, Chemicals Synthesis and Hydrocarbon Processing, Hydrogen Effects in Catalysis, Natural Zeolites, Molecular Sieve Science, Surface Science in Catalysis and Pyrolysis of Biomass.

Stephen Z. D. Cheng, The University of Akron

Stephen Z. D. Cheng, Ph.D. is R. C. Musson & Trustees Professor and dean of the College of Polymer Science and Polymer Engineering at The University of Akron. He received the Presidential Young Investigator Award, John H. Dillon Medal (APS), PMSE Cooperative Research Award (ACS), and Polymer Physics Prize (APS). He holds 10 U.S. and foreign patents; with six licensed to two companies. He co-founded Akron Polymer System, has published over 430 papers and serves as senior editor of Polymer and on 14 editorial boards for peer-reviewed journals. He is a member of the National Academy of Engineering, a fellow of AAAS and APS, and an Honorable Fellow of the Chinese Chemical Society.

Paul C. W. Chu, University of Houston

Paul C. W. Chu, Ph.D., is T. L. L. Temple Chair of Science, and founding director and chief scientist, Texas Center for Superconductivity at the University of Houston. He is president emeritus and University Professor Emeritus, Hong Kong University of Science and Technology, and Honorary Chancellor, Taiwan Comprehensive University System. He received his B.S., M.S., and Ph.D. degrees from Cheng-Kung University (Taiwan), Fordham University, and University of California, San Diego, respectively. He is a world-leader in high temperature superconductivity research since his breakthrough in achieving superconductivity above the liquid nitrogen boiling point and remains the record holder of Tc. He received the National Medal of Science, and is a member of the National Academy of Sciences.

James J. Collins, Boston University and Harvard University

James J. Collins, Ph.D., is HHMI Investigator and University Professor at HHMI, Boston University and Wyss Institute, and Harvard University. He is a leading pioneer in synthetic biology, systems biology and antibiotics research. His patented technologies have been licensed by over 25 biotech, pharma and medical devices companies, and he has helped to launch a number of companies, including Sample6 Technologies and EnBiotix. He has received numerous awards and honors, including a Rhodes Scholarship, a MacArthur “Genius” Award, an NIH Director’s Pioneer Award, a Sanofi-Institut Pasteur Award, as well as several teaching awards. Collins is a member of the National Academy of Engineering, Institute of Medicine and American Academy of Arts and Sciences.

James G. Conley, Northwestern University

James G. Conley, Ph.D., is clinical professor of technology in Managerial Economics & Decision Sciences at Northwestern University, faculty contributor in the Kellogg Center for Research in Technology & Innovation, faculty fellow at the Segal Design Institute, and visiting professor in the chair of technology and innovation management at the WHU in Germany. His research investigates the strategic use of intangible assets and intellectual properties to build and sustain competitive advantage. He holds seven U.S. patents with others pending, and, through Syndia Corporation (of which he is a founder), has grown and acquired a portfolio of intellectual properties licensed to entities worldwide.
Joseph T. Coyle, Harvard University

Joseph T. Coyle, M.D., is Eben S. Draper Professor of Psychiatry and Neuroscience at Harvard Medical School. He was Distinguished Service Professor of Neuroscience, Pharmacology and Psychiatry at Johns Hopkins and director of Child and Adolescent Psychiatry. He has published over 500 scientific articles and seven books. His research has been cited over 35,000 times. He sits on over 20 editorial boards including JAMA and is editor-in-chief of the Archives of General Psychiatry, the most highly cited journal in the field. He is a member of the Institute of Medicine, a Distinguished Fellow of the American Psychiatric Association, and fellow of the American Academy of Arts and Sciences, American College of Psychiatry, and American Association for the Advancement of Science.

James E. Dahlberg, University of Wisconsin–Madison

James E. Dahlberg, Ph.D., is interim CEO of Morgridge Institute for Research, and Professor Emeritus of the University of Wisconsin–Madison. He is a biochemist specializing in nucleic acid structure and function. Awards include Alumni Achievement, University of Chicago; Hilldale (Research), University of Wisconsin; Service to Humanity, Haverford College. He is inventor on 37 U.S. and 27 foreign patents. He cofounded two biotech companies, Cambridge Biosciences and Third Wave Technologies. He has published over 160 papers, edited six books and served on several editorial boards. Dahlberg is a AAAS Fellow and a member of American Academy of Microbiology, the European Molecular Biology Organization, the American Academy of Arts and Sciences and the National Academy of Sciences.

Roger J. Davis, University of Massachusetts Medical School

Roger J. Davis, Ph.D., is H. Arthur Smith Chair and professor of Molecular Medicine at the University of Massachusetts Medical School. He is interested in the mechanisms employed by cells to respond to extracellular stimulation, leading to the regulation of gene expression in the nucleus. He received his BA and Ph.D. at Cambridge University, and received a Damon Runyon-Walter Winchell Cancer Fund Fellowship to do postdoctoral work at UMass Medical Center. He serves as editor-in-chief of the ASM journal Molecular & Cellular Biology. He is an Investigator of the Howard Hughes Medical Institute and a Fellow of the Royal Society.

Sandra J. F. Degen, Cincinnati Children’s Hospital and University of Cincinnati

Sandra J. F. Degen, Ph.D., is interim chair of Molecular Genetics, Biochemistry & Microbiology, associate chair for Academic Affairs for the department of Pediatrics and professor of Pediatrics. She has made major contributions to the field of blood coagulation and identified a new growth factor homologous to blood coagulation proteins. She has three patents. She was a Pew Scholar and an Established Investigator of the American Heart Association (AHA). She serves on the editorial board of the Journal of Biological Chemistry. In 2005, she received the Special Recognition Award in Thrombosis from the AHA. She is a AAAS Fellow.

Hector F. DeLuca, University of Wisconsin–Madison

Hector F. DeLuca, Ph.D., is professor emeritus in the department of Biochemistry at the University of Wisconsin–Madison, and was department chair for 30 years. His laboratory discovered and delineated the vitamin D endocrine system and identified virtually all metabolites of vitamin D. He is responsible for eight pharmaceuticals based on the vitamin D structure that are in use worldwide for the treatment of renal failure, osteoporosis, and vitamin D-resistant conditions. He founded three successful companies, has won many national and international prizes, is a member of the National Academy of Sciences, American Academy of Arts & Sciences, and a fellow of the AAAS. He has over 1,180 publications and has held 1,500 patents.
Donn M. Dennis, University of Florida

Donn M. Dennis, M.D., F.A.H.A., is J.S. Gravenstein, M.D. Professor of Anesthesiology, and joint professor of Psychiatry, and Pharmacology at the University of Florida. He also serves as Chief Science Officer of Xhale. He holds 62 U.S. and foreign patents and applications that have been licensed to six companies. These patient-centric technologies have won a number of awards, including Popular Science for Best of What’s New in 2009: 100 Best Innovations of the Year, 2010 Medical Design Excellence Award, and 2012 New Product Innovation Award by Frost & Sullivan. He has published 71 peer-reviewed articles, 10 book chapters, and edited two anesthesiology textbooks. He co-founded four startup companies.

Akira Endo, Tokyo University of Agriculture and Technology

Akira Endo, Ph.D., currently serves as director of Biopharm Research Laboratories and is Distinguished Professor Emeritus at Tokyo University of Agriculture and Technology. He received his B.A. and Ph.D. degrees from Tohoku University in Japan. He received the 2006 Japan Prize, the 2008 Lasker-DeBakey Clinical Medical Research Award, and was inducted into the National Inventors Hall of Fame. In 1973, while at Sankyo Company in Tokyo, he discovered mevastatin, pioneering research into a new class of molecules known as statins, now a hugely successful class of drugs targeting the lowering of cholesterol.

Howard J. Federoff, Georgetown University Medical Center

Howard J. Federoff, M.D., Ph.D., is executive vice president for Health Sciences and executive dean of Medicine at Georgetown University. He trained at the Albert Einstein College of Medicine and Harvard Medical School. His research interests include gene therapy and neurodegenerative diseases such as Parkinson's, Alzheimer’s, and prion diseases. He holds a number of medical patents and other patents pending. He has published widely in peer-reviewed journals, is co-editor-in-chief of Technology and Innovation and serves on five editorial boards. He was named chair of the NIH Recombinant DNA Advisory Committee, has received the Arthur Kornberg Research Award and the Bernard Sanberg Award, and co-founded two biotechnology start-up companies.

Thomas J. Fogarty, Fogarty Institute for Innovation

Thomas J. Fogarty, M.D., is chair, director and founder of the Fogarty Institute for Innovation and an internationally recognized cardiovascular surgeon, inventor, entrepreneur, and vintner. He founded more than 30 medical device companies, and holds 135 surgical patents, including the Fogarty balloon catheter used in more than 300,000 procedures worldwide per year, estimated to have saved the lives/limbs of 20M patients. He received the Jacobson Innovation Award of the American College of Surgeons, the Lemelson-MIT prize, and was inducted into the National Inventors Hall of Fame and the National Academy of Engineering. In February 2012 he was inducted as the first NAI Charter Fellow.

Kenneth M. Ford, Institute for Human & Machine Cognition

Kenneth M. Ford, Ph.D., is founder and CEO of the Institute for Human & Machine Cognition (IHMC). He is the author of hundreds of scientific papers and six books. He is a fellow of the Association for the Advancement of Artificial Intelligence and has received many awards and honors including the Doctor Honoris Causas from the University of Bordeaux and the Robert Englemore Memorial Award for his work in artificial intelligence. He has served on the National Science Board, Air Force Science Advisory Board, Defense Science Board and NASA Advisory Council, which he chaired from 2008-2011. He is the recipient of NASAs Outstanding Leadership Medal and the NASA Distinguished Public Service Medal, the highest honor the agency confers.
**Eric R. Fossum**, Dartmouth College

Eric R. Fossum, Ph.D., is professor at the Thayer School of Engineering at Dartmouth. While at JPL/Caltech, he invented the CMOS image sensor used in billions of camera phones, webcams, DSLRs, swallowable pill cameras, dental x-ray sensors, and many other applications. He co-founded Photobit to further develop and commercialize the technology which was eventually acquired by Micron. He holds over 140 U.S. patents and was inducted into the National Inventors Hall of Fame and the Space Technology Hall of Fame. He has published over 250 papers, is an IEEE Fellow, and received the IEEE Andrew Grove Award and the NASA Exceptional Achievement Medal. He serves as president of the International Image Sensor Society and is a member of the National Academy of Engineering.

**Robert C. Gallo**, University of Maryland

Robert C. Gallo, M.D., is director of the Institute of Human Virology at the University of Maryland School of Medicine, and previously spent 30 years at the National Cancer Institute. He co-discovered HIV as the cause of AIDS, developed the HIV blood test, discovered the first endogenous inhibitors of HIV, and opened up new approaches to treatment of HIV disease. He and colleagues discovered interleukin-2 (IL-2), the first and second known human retrovirus (HTLV-1 and HTLV-2), and the human herpes virus-6 (HHV-6). He received the Lasker Award in Medicine twice, is a member of the National Academy of Sciences and the Institute of Medicine, a National Inventors Hall of Fame inductee, and has published nearly 1,300 papers.

**Ivar Giaever**, Rensselaer Polytechnic Institute

Ivar Giaever, Ph.D., is institute professor emeritus at Rensselaer Polytechnic Institute and founder, president and chief technical officer of Applied BioPhysics, Inc. He is a mechanical engineer educated in Norway and received a Ph.D. from RPI in physics in 1964. He received the Nobel Prize in physics in 1973 for work in superconductivity. He received the Buckley Prize, the Zworykin Award, the Onsager Medal and the Gunnerus Medal. He is a member of the National Academy of Engineering and the Norwegian Academy of Science and Letters. He has approximately 40 patents, has published more than 100 papers, and has many honorary degrees.

**Mory Gharib**, California Institute of Technology

Mory Gharib, Ph.D., is vice provost for Research and Hans W. Liepmann Professor of Aeronautics and Bioinspired Engineering at the California Institute of Technology, specializing in hydro and aerodynamics, biological flows, bioinspired medical devices, and advanced flow visualization techniques. He co-founded Bioengineering Option at Caltech. He holds more than 50 U.S. patents in areas of biomedical devices and imaging technology. He is a fellow of the AAAS and five other professional societies. He has received five new technology recognition awards from NASA in the fields of advanced laser imaging and nanotechnology. He received the R&D 100 Award for the design of a 3D imaging system in 2008.

**Alan Neville Gent (1927-2012)**, The University of Akron

The late Alan Neville Gent, Ph.D., was professor emeritus of Polymer Physics and Polymer Engineering and research professor at The University of Akron. He was widely regarded as the foremost expert on the fracture mechanics of rubber and plastics. He received his Ph.D. from the University of London. At the UoA, he served as assistant director of the Institute of Polymer Science and dean of graduate studies and research. He was consultant and scientific adviser to the Goodyear Tire & Rubber Company for nearly 40 years. He published over 200 papers, book chapters, and edited a book titled *Engineering with Rubber*. He held one U.S. and two British patents and was a member of the National Academy of Engineering.
Barbara A. Gilchrest, Boston University

Barbara A. Gilchrest, M.D., is professor and chair emeritus of Dermatology at Boston University School of Medicine. She has received 35 national and international awards for her research on the aging process, pigmentation, and UV damage responses in human skin. She has been awarded 17 U.S. and 65 foreign patents comprising 10 families, and founded SemaCo Inc., to commercialize these inventions. She has published over 450 original articles, reviews, editorials and invited book chapters; authored, co-authored or edited 15 books; and is editor-in-chief of the *Journal of Investigative Dermatology*, the leading journal in her field. She is a AAAS Fellow and member of the Institute of Medicine.

Richard D. Gitlin, University of South Florida

Richard D. Gitlin, Sc.D., is a State of Florida 21st Century World Class Scholar and the Agere Systems Chair Distinguished Professor of Electrical Engineering at the University of South Florida. His research focuses on the intersection of communications with medicine and wireless networking in vivo miniature wirelessly controlled devices to advance minimally invasive surgery and other cyber-physical health care systems. He is the co-inventor of DSL. He is a member of the National Academy of Engineering, a fellow of the IEEE and Bell Laboratories, co-recipient of the Thomas Alva Edison Patent Award and the S.O. Rice prize, has co-authored a text, published 100 papers and holds 47 patents.

Leonid B. Glebov, University of Central Florida

Leonid B. Glebov, Ph.D. is research professor of Optics at the University of Central Florida. He earned his Ph.D. in Physics from State Optical Institute, Leningrad. Following nearly 20 years at SOI, he joined UCF’s School of Optics/CREOL. He has published one book, over 190 papers in scientific journals and holds one U.S. and 15 Russian patents. The main directions of his research are optical properties of glasses, photosensitive glasses for hologram recording, non-linear phenomena including laser-induced damage, holographic optical elements. He is a fellow of the OSA, an ACS Fellow, an SPIE Fellow, and received the 2008 SPIE Dennis Gabor Award.

D. Yogi Goswami, University of South Florida

D. Yogi Goswami, Ph.D., is Distinguished University Professor, John and Naida Ramil Professor of Chemical Engineering, and co-director of the Clean Energy Research Center at the University of South Florida. His research focuses on solar thermal energy, thermodynamics, heat transfer, HVAC, photovoltaics, hydrogen, and fuel cells. He is editor-in-chief of *Solar Energy and Progress in Solar Energy*, author/editor of 16 books, 16 book chapters, six conference proceedings and over 300 refereed papers. He holds 18 patents. He is a fellow of ASME International and ASES, and received the ISES’ Farrington Daniels Award, ASME’s Frank Kreith Energy medal, ASME’s John Yellott Award for Solar Energy, and the ASES’ Charles Greely Abbott award.

Mark W. Grinstaff, Boston University

Mark W. Grinstaff, Ph.D., is professor of Biomedical Engineering and Chemistry at Boston University and Distinguished Faculty Fellow of Engineering. He received his Ph.D. from the University of Illinois and was an NIH postdoctoral fellow at the California Institute of Technology. He received the ACS Nobel Laureate Signature Award, NSF Career Award, Alfred P. Sloan Research Fellowship, Pew Scholar in the Biomedical Sciences, Camille Dreyfus Teacher-Scholar, and Edward M. Kennedy Award for Health Care Innovation. He has published more than 170 articles, is co-founder of four companies commercializing his ideas, and has three medical products sold and used clinically. Current research includes new macromolecule and amphiphile syntheses, self-assembly chemistry, tissue engineering, drug delivery, and imaging.
Patrick T. Harker, University of Delaware

Patrick T. Harker, Ph.D., is president of the University of Delaware and a research leader in service operations management and economics; financial services operations and technology; operations research methodology; and transportation systems. He holds a U.S. patent and U.S. copyright for methods optimizing transportation schedules. He has published or edited nine books and 100+ articles, and is an ISI highly cited researcher in mathematics. He serves on the advisory boards of INFORMS Service Science and Operations Research, where he was previously editor-in-chief. Harker is an INFORMS Fellow and a member of IEEE, the American Economic Association and the International Academy of Management.

Martin E. Hellman, Stanford University

Martin E. Hellman, Ph.D., is professor emeritus of Electrical Engineering at Stanford University. He is co-inventor of public key cryptography, the technology which allows secure internet communication. Honors include Marconi International Fellow, Stanford Engineering Hero, IEEE Hamming Medal, induction into the National Inventors Hall of Fame, Cyber Security Hall of Fame, and Silicon Valley Hall of Fame. He holds 10 U.S. patents and foreign equivalents. He served as a technical adviser to Silicon Valley startups, including PayPal, published 76 articles, was co-editor of Breakthrough: Emerging New Thinking, is a member of the National Academy of Engineering, and a fellow of the IEEE and International Association for Cryptologic Research.

Nick Holonyak, Jr., University of Illinois at Urbana-Champaign

Nick Holonyak, Jr., Ph.D., is John Bardeen Endowed Chair Professor of Electrical and Computer Engineering and Physics at the University of Illinois at Urbana-Champaign, where he has been since 1963. He invented the first practically useful visible LED in 1962 while at General Electric and has been called “the father of the light-emitting diode.” He holds 41 patents and received the National Medal of Science, National Medal of Technology, Lemelson-MIT Prize, Japan Prize, IEEE Medal of Honor and Edison Medal, among others. He is an inductee in the National Inventors Hall of Fame, fellow of AAAS and IEEE, and member of the National Academy of Sciences and National Academy of Engineering.
Leroy E. Hood, Institute for Systems Biology

Leroy E. Hood, Ph.D., M.D., is president of the Institute for Systems Biology, and a pioneer in developing molecular and genomic instrumentation. He played an important role in developing computational and proteomics techniques and pushed the frontiers of genomics, biotechnology, and systems biology. He received the Lasker Prize, Kyoto Prize, Economiast Innovation Award, Lemelson-MIT Prize, Heinz Prize, Russ Prize, and National Medal of Science. He holds 36 patents. He is the founder or co-founder of 13 startup companies. He has published more than 750 research articles and five books and is a member of all three National Academies, the American Philosophical Society, and is a AAAS Fellow.

Richard A. Houghten, Torrey Pines Institute for Molecular Studies

Richard A. Houghten, Ph.D. is founder, CEO and president of Torrey Pines Institute for Molecular Studies, a not-for-profit, bi-coastal medical research organization. Now in its 24th year, it has become internationally recognized for its scientific contributions. He founded three commercial businesses, including a publicly-traded biotechnology company. His many awards include the 2004 Ralph Hirschmann Award in Peptide Chemistry by the American Chemical Society and the 2005 Bruce Merrifield Award by the American Peptide Society. He has authored/co-authored over 500 publications and has been issued 75 U.S. and 47 foreign patents. He is an American Association of Pharmaceutical Sciences Fellow.

Ernest B. Izevbigie, Jackson State University

Ernest B. Izevbigie, Ph.D., is professor of Biology and Biochemistry at Jackson State University, currently serving as deputy vice chancellor at Benson Idahosa University in Nigeria. He received his Ph.D. from Michigan State University. He has translated his research discoveries on the health benefits of Vernonia amygdalina extracts into pharmacological supplements under the brand name edoTIDE, commercially available internationally, and is founder of edoBotanics, a biotechnology company licensed to commercialize edoTIDE. He holds three patents, has mentored many M.S. and Ph.D. students, and published many peer-reviewed articles. His awards include the JSU Research Award, Inventor's Award, Edo Leadership and Outstanding Achievement Award.

Stephen C. Jacobsen, The University of Utah

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Charles H. Townes, Ph.D., is University Professor Emeritus and professor in the Graduate School at the University of California, Berkley (1967-present). He shared the 1964 Nobel Prize in Physics for contributions to fundamental work in quantum electronics leading to the development of the maser and laser, and holds the original patent for the maser and laser. He was at Bell Laboratories (1939-47), Columbia University (1948-61), vice president and director of Research of the Institute for Defense Analysis (1959-61), Provost and Institute Professor at MIT (1961-67), and chair of the NASA Science Advisory Committee for the Apollo lunar landing program (1966-1970). He is a member of the National Academy of Sciences. Honors include the National Medal of Science, National Inventors Hall of Fame and Templeton Prize.

John Q. Trojanowski, University of Pennsylvania

John Q. Trojanowski, M.D., Ph.D., is William Maul Measey-Truman G. Schnabel, Jr., M.D. Professor of Geriatric Medicine and Gerontology at the University of Pennsylvania Perelman School of Medicine; director of the Center for Neurodegenerative Disease Research, Institute on Aging, Alzheimer’s Disease Core Center, and Penn Udall Center for Parkinson’s Research. His research focuses on AD, PD, ALS, dementia with Lewy bodies, frontotemporal lobar degeneration and other aging related nervous system disorders. He is a member the Association of American Physicians and Institute of Medicine, among others. He has over 900 publications and 13 patents. Honors include an NIH MERIT Award, Metropolitan Life Foundation Award for Alzheimer’s Disease Research, and Emmy® Award for best documentary, Alzheimer’s Disease: Facing The Facts.
Roger Y. Tsien, University of California, San Diego

Roger Y. Tsien, Ph.D., is professor of Pharmacology and Chemistry & Biochemistry and Howard Hughes Investigator at the University of California, San Diego. He shared the 2008 Nobel Prize in Chemistry for his seminal contributions regarding understanding the chemistry of the fluorescence properties of the green fluorescent protein and is renowned for revolutionizing the fields of cell biology and neurobiology by allowing scientists to peer inside living cells and watch the behavior of molecules in real time. He holds approximately 100 patents, and is a member of the National Academy of Sciences and Institute of Medicine, and foreign fellow of the Royal Society. Honors include the Wolf Prize in Medicine, E.B. Wilson Medal, Heineken Prize, and Max Delbrück Medal.

James L. Van Etten, University of Nebraska–Lincoln

James L. Van Etten, Ph.D., is William Allington Distinguished Professor of Plant Pathology and co-director of the Nebraska Center for Virology at the University of Nebraska–Lincoln. He is the leader in the discovery and characterization of large dsDNA viruses that infect algae. He holds four patents and has published over 200 research papers, over 40 review articles, edited one book on giant viruses, and served on editorial boards of seven scientific journals. He is a fellow of AAAS, American Society of Microbiology, American Phytopathology Society and a member of the National Academy of Sciences.

James W. Wagner, Emory University

James W. Wagner, Ph.D., is president of Emory University. His early career as an electronics engineer at the FDA was followed by professorships in materials science and engineering and biomedical engineering at Johns Hopkins University, and then dean of engineering, provost, and interim president at Case Western Reserve University. He has authored more than 115 publications and served as editor or editorial board member for several serial publications. He is a fellow in the American Academy of Arts and Sciences, recipient of a Distinguished Alumnus Award from Johns Hopkins Whiting School of Engineering, and vice-chair of the Presidential Commission for the Study of Bioethical Issues.

John E. Ware, Jr., University of Massachusetts Medical School

John E. Ware, Jr., Ph.D., is professor and chief of Outcomes Measurement Science in Quantitative Health Sciences at the University of Massachusetts Medical School and president and CEO of the John Ware Research Group, Inc. He is an internationally recognized leader of the field of healthcare outcomes assessment and was one of the first to demonstrate the feasibility and advantages of computerized adaptive testing and other “modern” psychometric methods is assessing generic and disease-specific health outcomes. He published over 400 peer-reviewed articles. Honors include the Distinguished Investigator Award (Academy Health), Novartis/Zitter Group Outcomes Leadership Award, and Ellwood Award (FACCT). He is a member of the Institute of Medicine.

Herbert Weissbach, Florida Atlantic University

Herbert Weissbach, Ph.D., is Distinguished Research Professor and director of the Center for Molecular Biology and Biotechnology at Florida Atlantic University. He has had a prominent career in biochemistry, receiving a number of awards and honors including the American Chemical Society Enzyme Award, the Townsend Harris Medal from City College of New York and the George Washington University Distinguished Alumni Award. He holds three recent patents that have been licensed to a biotechnology company. He has more than 460 publications and has served as an editor for the Journal of Biological Chemistry and Archives of Biochemistry and Biophysics. Weissbach is a member of the National Academy of Sciences and a fellow of the American Academy of Microbiology.
Shin-Tson Wu, University of Central Florida

Shin-Tson Wu, Ph.D., is Pegasus professor of Optics and Photonics at the University of Central Florida. He has made pioneering contributions in liquid crystal materials and display devices, spatial light modulators, and adaptive lenses. He is the recipient of the SID Slottow-Owaki Prize, OSA Joseph Fraunhofer Award, SPIE G.G. Stokes Award, and SID Jan Rajchman Prize. He holds 80 U.S. and 20 foreign patents that have been licensed to several companies. He published seven books and over 420 journal papers, and serves as chair of OSA Publication Councils, OSA board of directors, and SID Honors and Awards committee. He was founding editor-in-chief of the Journal of Display Technology, and is a fellow of the IEEE, OSA, SID and SPIE.
The 2012 NAI Charter Fellows Selection Committee is comprised of 14 Members from the National Academies, recipients of National Medals, a National Inventors Hall of Fame inductee, an NAI Charter Fellow, and senior officials from the United States Patent and Trademark Office (USPTO), the American Association for the Advancement of Science (AAAS), the Association of University Technology Managers (AUTM), the United Inventors Association and university research leaders.

Anne H. Chasser  
Chair of the Fellows Selection Committee  
Former Commissioner for Trademarks, United States Patent and Trademark Office  
(see page 2)

Nasser Arshadi  
Vice Provost for Research, University of Missouri–St. Louis

Nasser Arshadi, Ph.D., is vice provost for Research and professor of Finance at the University of Missouri–St. Louis. He received his Ph.D. in financial economics from the University of Nebraska–Lincoln. He has published extensively in economics and finance journals on capital markets and the microeconomics of corporations with an emphasis on assessing and managing risk, and has published two books on financial intermediation and insider trading. He serves on the editorial boards of Technology and Innovation and Public and Municipal Finance, and served as an economist and policy analyst at the Board of Governors of the Federal Reserve System.

Norman R. Augustine  
National Medal of Technology and Innovation  
National Academy of Sciences  
Retired Chairman and CEO, Lockheed Martin Corporation

Norm Augustine is retired Chairman and CEO of the Lockheed Martin Corporation. He served as Assistant Secretary of the Army (R&D) from 1973-75 and Undersecretary from 1975-77. He was a professor at Princeton, his alma mater, from 1997-99. He received the National Medal of Technology and the Joint Chiefs of Staff Distinguished Public Service Award. He has five times received the Distinguished Service Medal. He is co-author of The Defense Revolution and Shakespeare In Charge and author of Augustine’s Laws and Augustine’s Travels. He was chairman and principal officer of the American Red Cross for nine years, chairman of the National Academy of Engineering, president and chairman of the Association of the United States Army, chairman of the Aerospace Industries Association, president of the Boy Scouts of America and chairman of the Defense Science Board. He is a Trustee Emeritus of Johns Hopkins, a former member of the Board of Trustees of Princeton and MIT, and is a Regent of the University System of Maryland. He has been elected to membership in the American Philosophical Society, the National Academy of Sciences, the American Academy of Arts & Sciences, Phi Beta Kappa and Sigma Xi. He holds 29 honorary degrees and was selected by Who’s Who in America and the Library of Congress as one of “Fifty Great Americans” on the occasion of Who’s Who’s fiftieth anniversary.

Edward Derrick  
Chief Program Director, Center of Science, Policy, and Society Programs  
American Association for the Advancement of Science

Since July, 2011, Edward G. Derrick, Ph.D., has been chief program director of the AAAS Center of Science, Policy, and Society Programs. The programs in the Center connect the science and engineering community with policy makers and the interested public on an array of topics. He oversees an annual budget over $18 million and serves as a member of senior management. He joined AAAS in 1998 as a member of the AAAS Research Competitiveness Program, which provides review and guidance to the science and innovation community, and became director of the program in 2004. He holds a Ph.D. from the University of Texas at Austin, and a B.S. from the Massachusetts Institute of Technology. He was an Alexander von Humboldt Fellow. His publications include refereed scientific journals, conference proceedings, software documentation and newspaper articles.
Elizabeth Lea Dougherty  
*Director of Inventor Education, Outreach, and Recognition*  
*Office of Innovation Development, United States Patent and Trademark Office*

Elizabeth Dougherty, J.D., is the Director of Inventor Education, Outreach, and Recognition in the Office of Innovation Development at the USPTO, where she develops, implements and supervises programs that support the independent inventor community, small businesses, entrepreneurs, and the intellectual property interests of colleges and universities, and coordinates the ombudsman program for small businesses and entrepreneurs. She also supervises the development of outreach programs to women, minority and other underserved communities, and builds and maintains relationships with state and local governments to promote local programs that support invention and innovation in the U.S.

Margaret A. Focarino  
*Commissioner for Patents, United States Patent and Trademark Office*  
(see page 2)

Thomas J. Fogarty  
*First Charter Fellow of the National Academy of Inventors (inducted February 2012)*  
*National Inventors Hall of Fame Inductee*  
*National Academy of Engineering*  
(see page 8)

Sir Harold Walter Kroto  
*Nobel Prize*  
*Fellow of the Royal Society*  
*Francis Eppes Professor at Florida State University*

Dr. Sir Harold “Harry” W. Kroto, received the 1996 Nobel Prize in Chemistry for his co-discovery of buckminsterfullerene, a form of pure carbon better known as “buckyballs.” The extraordinary molecule consists of 60 carbon atoms arranged as a spheroid, in a pattern exactly matching the stitching on soccer balls. The configuration reminded Kroto of the geodesic domes designed by the late inventor/architect Buckminster Fuller, hence the name “buckminsterfullerines.” A few of Kroto’s additional achievements include being awarded Fellow of the Royal Society (1990), Fellow of the Royal Society of Chemistry; President of the Royal Society of Chemistry (2002-2004), Mexican Academy of Science; Member Academia Europaea (1993); Hon. Foreign Member Korean Academy of Science and Technology (KAST) (1997); Hon. Fellow of the Royal Microscopical Society (1998); Hon. Fellow of the Royal Society of Edinburgh (1998); Hon Fellow of the RSC (2000), Foreign Member Finnish Academy of Sciences, Academy of Sciences (Torino 2005), Foreign Associate of the National Academy of Sciences (US 2007). In 2001, Kroto won the Royal Society’s prestigious Michael Faraday Award, which is given annually to a scientist who has done the most to further public communication of science, engineering or technology in the United Kingdom.

Sir George Henry Martin CBE  
*Rock and Roll Hall of Fame Inductee*  
*Producer of The Beatles*  
*Commander of the British Empire (CBE)*  
*Academy Award Winner*  
*Six-time Grammy Award Winner*

A composer in his own right, Sir George Martin has been responsible for the music of a considerable number of films, ‘A Hard Day’s Night’ (for which he won an Academy Awards nomination); ‘The Family Way’; John Schlesinger’s ‘Honky Tonk Freeway’; ‘Yellow Submarine’; ‘Pulp’ starring Michael Caine and Mickey Rooney; ‘Optimist of Nine Elms’ with Peter Sellers and the Bond movie ‘Live and Let Die’ (for which he won a Grammy). He was also Musical Director and Composer for ‘Sgt. Pepper’ starring the Bee Gees and ‘Give My Regards to Broad Street’ and the award winning cartoon ‘Rupert and The Frog Song’ for Paul McCartney. He also composed The David Frost Theme, ‘By George’ for television and BBC Radio One’s signature tune ‘Theme One’. It was in 1962 that he signed The Beatles to EMI – a decision which launched them on their remarkable career, producing every record they made until they disbanded in 1970. He has received several distinguished honors and awards including: an Academy Award in 1964, six Grammy Awards, induction into the Rock and Roll Hall of Fame and in 1988 was appointed C.B.E. (Commander of the British Empire) for his services to the music industry. He is an active research advocate.
Vinit Nijhawan  
*Managing Director, Office of Technology Development, Boston University*

Vinit Nijhawan is managing director of Technology Development, and director of Enterprise Programs at the Institute of Technology, Entrepreneurship & Commercialization at Boston University, and where he also teaches MBA courses on entrepreneurship. He spent 30+ years building five startups that were acquired and was CEO of three. He was venture partner at Key Venture Partners where in two years he sourced over 200 deals and made one investment acquired for $430M. He is advisor and board member to several technology startups including MTDC, an early stage, quasi-public Massachusetts venture capital firm, and was a Mass High Tech All-Star in 2005. He earned a B.A.Sc. in electrical engineering from the University of Waterloo, Canada.

Felix A. Okojie  
*Vice President for Research and Federal Relations, Jackson State University*

Felix A. Okojie, Ph.D., is vice president of Research and Federal Relations and professor of Public Health at Jackson State University. He has devoted considerable energies to the growth of research programs at Jackson State University and plays leadership roles in the funding and ongoing implementation of several research centers including National Center for Biodefense Communications, Center for Defense Integrated Data, Institute for Epidemiology and Health Services Research, Jackson Heart Study Coordinating Center, Center for Nanotoxicity, and Center of Excellence for the Study of National Disasters, Coastal Infrastructure and Emergency Management. A Certified Research Administrator and academician, he is active in several academic and research organizations, published, and serves on several regional and national research and education boards.

Mark T. Reyland  
*Executive Director, The United Inventors Association of America*

Mark Reyland serves the inventor community as executive director and executive committee member of The United Inventors Association of America. In addition to being the largest non-profit inventor organization in the world, the UIA is a team of well-respected professional inventors, executives, and product suppliers providing education and guidance to its over 13,000 members through the many inventor outreach programs under Reyland's leadership. Prior to joining the UIA, he was director of Classified Technology Development for a Fortune 500 company, a National Security Agency liaison to the Korean government and the U.S. Air Force Special Programs Office, and a successful manufacturing technology and product inventor.

Todd Sherer  
*Former President of the Association of University Technology Managers  
Associate Vice President for Research Administration and Executive Director for the Office of Technology Transfer,  
Emory University*

Todd Sherer, Ph.D., is associate vice president for Research Administration and executive director of Technology Transfer at Emory University. Since joining Emory in 2003, he has instituted a commercially oriented product pipeline to highlight Emory's varied portfolio, and created an in-house patent department to reduce costs and better align patent work with research activity. Licensing revenues have exceeded $650 million under his leadership. He also worked with colleagues to monetize downstream licensing revenues on an Emory-discovered molecule that is now part of the leading AIDS drug cocktail, resulting in a $540 million one-time payment. He is former president for the Association of University Technology Managers (AUTM) and serves on the Board of Southeast BIO. He is a Registered Patent Agent with the USPTO and a Certified Licensing Professional.

Lonnie G. Thompson  
*National Medal of Science  
National Academy of Science  
Distinguished University Professor in the School of Earth Sciences, The Ohio State University*

Lonnie G. Thompson, Ph.D., is one of the world's foremost authorities on paleoclimatology and glaciology. He has led 58 expeditions during the last 35 years, conducting ice-core drilling programs in the Polar Regions as well as on tropical and subtropical ice fields in 16 countries including China, Peru, Russia, Tanzania and Papua, Indonesia (New Guinea). Thompson and his team were the first to develop lightweight solar-powered drilling equipment for the acquisition of histories from ice fields in the high Andes of Peru and on Mount Kilimanjaro in Tanzania. He is a member of the National Academy of Sciences and was awarded the National Medal of Science, the John and Alice Tyler Prize for Environmental Achievement, and was selected by Time magazine and CNN as one of America's Best in science and medicine. He received the Dan David Prize (jointly with Ellen Mosley-Thompson) and the Seligman Crystal award, the highest professional award given in Glaciology. He was elected as a foreign member of the Chinese National Academy of Sciences, received the ‘Mountain Hero’ award from The Mountain Institute in Washington, D.C., and the Benjamin Franklin Medal in Earth and Environmental Science.
The Florida High Tech Corridor Council (FHTCC) is a regional economic development initiative of the University of Central Florida (UCF), the University of South Florida (USF) and the University of Florida (UF) whose mission is to grow high tech industry and innovation in the region through partnerships that support research, marketing, workforce and entrepreneurship. A partnership involving more than 25 local and regional economic development organizations (EDOs) and 14 community colleges, the Council is co-chaired by the presidents of UCF, USF and UF. The Council includes the presidents of two of the community colleges, the president of Florida Institute of Technology and representatives of high tech industry. The unique partnership has resulted in a strategic approach to high tech economic development that involves matching funds research, workforce development and a marketing program leveraging governmental, EDO and corporate budgets on a regional rather than local basis.
The National Academy of Inventors® is a 501c3 non-profit organization comprised of more than 50 U.S. and international universities and non-profit research institutes, with over 2,000 individual academic inventor members, and growing rapidly. It was founded in 2010 to recognize and encourage inventors with a patent issued from the U.S. Patent and Trademark Office, enhance the visibility of academic technology and innovation, encourage the disclosure of intellectual property, educate and mentor innovative students, and translate the inventions of its members to benefit society. The NAI publishes a newsletter and edits the multidisciplinary journal, *Technology and Innovation – Proceedings of the National Academy of Inventors*, published by Cognizant Communication Corporation (NY).

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This region seen above by satellite looked a lot different in 1995 before our universities joined hands and created the Florida High Tech Corridor Council to grow high tech industry and employment. Today (at right) it shines brighter than ever before with high tech employment at an all-time high. In fact, a recent study showed the Florida High Tech Corridor ranked as the fourth largest tech hot spot for jobs.

Thanks to the Corridor’s Matching Grants Research Program, Florida’s investment of $55 million has created 1,200 applied research project partnerships with 350 companies with a verified downstream impact of more than $1 billion generated from sales contracts, patents, federal and other grants ... not to mention the jobs our partner companies are creating.