

# **William F. Miller, Global Authority and Visionary on Business Strategy, Innovation, Technology, and International Thought Leadership**



Herbert Hoover Professor of Public and Private Management Emeritus and Professor of Computer Science Emeritus, Former Provost Stanford University  
President and CEO Emeritus, SRI International  
Chairman Emeritus, Borland Software Corporation  
Chairman/Founder, Nanostellar, Inc.

Chairman/Founder, Lumiette, Inc.

Managing Partner, Actium Ventures

University Professor and Honorary Dean William F. Miller School of Management of Technology Konkuk University, Seoul, Korea

Dr. William F. Miller has spent about half of his professional life in business and about half in academia. Dr. Miller came to Silicon Valley from a position as Director of the Applied Mathematics Division at the Argonne National Laboratory where he worked after receiving his PhD in Physics from Purdue University in 1956. At the Argonne National Laboratory Dr. Miller conducted research in basic atomic physics and in computer science. He and his colleagues began early work in what is now called computational science.

Dr. Miller was the last faculty member recruited to Stanford University by the legendary Frederick Terman who was then Vice President and Provost of Stanford. He was recruited to help form the Computer Science Department at Stanford and to direct the Computation Group at the Stanford Linear Accelerator Center (SLAC). He led the computerization of SLAC, and later as Associate Provost for Computing he led the computerization of the Stanford Campus. He carried out research in computer science and computer systems and directed the research of many graduate students.

As Vice President for Research and later as Vice President and Provost, Miller championed the establishment of the Office of Technology Licensing which has become the model for such activities at other universities here and abroad. He actively facilitated the establishment of a number of interdisciplinary programs such as the Human Biology Program, the International Security and Arms Control Program, and the Values Technology and Society Program. In 1978 he negotiated and brought to Stanford the first students from the Peoples Republic of China. In 1979 he was named the Herbert Hoover Professor of Public and Private Management.

In 1968 Dr. Miller also played a role in the founding of the first Mayfield Fund (venture capital) as a special limited partner and advisor to the general partners.

As President and CEO of SRI International, Miller opened SRI to the Pacific Region, he established the spin-out and commercialization program at SRI, and established the David Sarnoff Research Center (now the Sarnoff Corporation) as a for-profit subsidiary of SRI. He became the Chairman and CEO of the David Sarnoff Research Center.

In 1997 at the 10th anniversary of the founding of the David Sarnoff Research Center, Dr Miller along with Jack Welsh, Myron DuBain, and James Tietjen received the Sarnoff Founders Medal.

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In 1982 Miller was appointed to the National Science Board; additionally, he served on the Computer Science and Telecommunications Board of the National Research Council. He has served on the board of directors of several major companies such as Signetics, Fireman's Fund America, Wells Fargo Bank, Pacific Gas and Electric Company, Varian Associates, and Borland Software, Corp.

In 1990 Dr. Miller retired from SRI International and returned to Stanford half time where he taught technology related courses and carried out research on the IT industry and on the characteristics of entrepreneurial regions. He also spent about half of his time working with start-ups and non-profits in Silicon Valley. He helped organize Joint Venture Silicon Valley Network and served on the board of directors for three years. He co-founded and served as Vice Chairman of SmartValley, Inc. Additionally, he aided the formation of CommerceNet and served on the board of directors. Dr. Miller was a founding director and served as Vice Chairman of the Center for Excellence in Non-profits, and was a Founding Member and Chair of the Campaign Cabinet (1992-1994) of the Alexis de Tocqueville Society of Santa Clara. He currently serves as Chairman of the Board of Sentius Corp, Nanostellar, Inc., and Lumiette, Inc. and is a Partner in Actium Ventures(Venture Capital).

Dr. Miller co-directs an international research project called the Stanford Program on Regions on Innovation and Entrepreneurship, and he co-directs an Executive Education program on Strategic Uses of Information Technology.

Additionally, Dr. Miller worked with foreign countries helping them establish their technology policies and practices, notably Singapore, Malaysia, Japan, and Korea. He served on the International Panel of the Singapore Science and Technology Board, and currently serves on the International Advisory Panel for the Multimedia Super Corridor in Malaysia.

Dr. Miller has received a number of awards and honors:

- \* Life Member of the National Academy of Engineering , 1987
- \* Life Fellow IEEE, 1999
- \* Fellow of the American Academy of Arts and Science, 1980
- \* Fellow of the American Association for the Advancement of Science, 1987
- \* Stanford Computing Pioneer by the AFIPS History of Computing Committee, 1987
- \* Frederic B. Whitman Award, United Way of the Bay Area, 1982
- \* Technology 100 (International Technology Leaders), Technology Magazine, 1981
- \* Tau Beta Pi Eminent Engineer, 1989
- \* Sarnoff Founders Medal, 1997
- \* David Packard Civic Entrepreneur Team Award, 1998
- \* Robert K. Jaedicke Silver Apple Award (Stanford Business School Alumni), 1998
- \* The Order of Civil Merit (Dongbaeg Medal) by the Republic of Korea, 2000
- \* The Okawa Prize 2000, The Okawa Foundation, Tokyo, Japan
- \* The Silicon Valley Engineering Hall of Fame, 2001
- \* Junior Achievement Business Hall of Fame, 2002
- \* Commendation for Service, Japan External Trade Organization (JETRO), 2002

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- \* "Most Mentoring Angel" Award. International Angel Investors, 2002
- \* Honorary Professor, Zhejiang University, Hangzhou China, 2004
- \* Lifetime Achievement Award, Borland Software Corp, 2005
- \* Trustee/Charter member Asian American Multitechnology Association, 2007
- \* David Packard Civic Entrepreneur Award, 2008
- \* New Silk Road Award, California Asia Business Council, 2008
- \* University Professor and Honorary Dean  
William F. Miller School of Management of Technology  
Konkuk University, Seoul, Korea, 2009

Dr. Miller received the BS (1949), MS (1951), PhD (1956) and Honorary DSC (1972) from Purdue University.

Dr. Miller works with the Cheetah Conservation Fund Namibia which is dedicated to preserving cheetahs in the wild in Namibia. He is a member of the Advisory Board of the Wildlife Conservation Network.