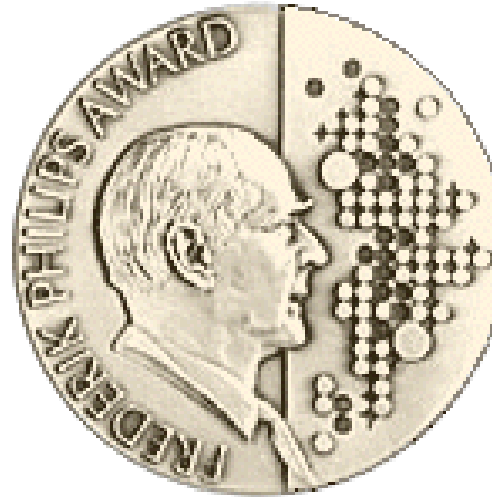


IEEE Frederik Philips Award



- **Established:** 1971
- **Sponsor:** Philips Electronics NV
- **Scope:**
For outstanding accomplishments in the **management of research and development resulting in effective innovation in the electrical and electronics industry.**
- **Basis for judging:**
Leadership in management impact on innovation, personal contributions, technological impact, and the quality of the nomination.

(Source: IEEE Web site)

2012 Recipient



Dr. C. Y. Lu

The first recipient from Taiwan/China
IEEE Frederik Philips Award

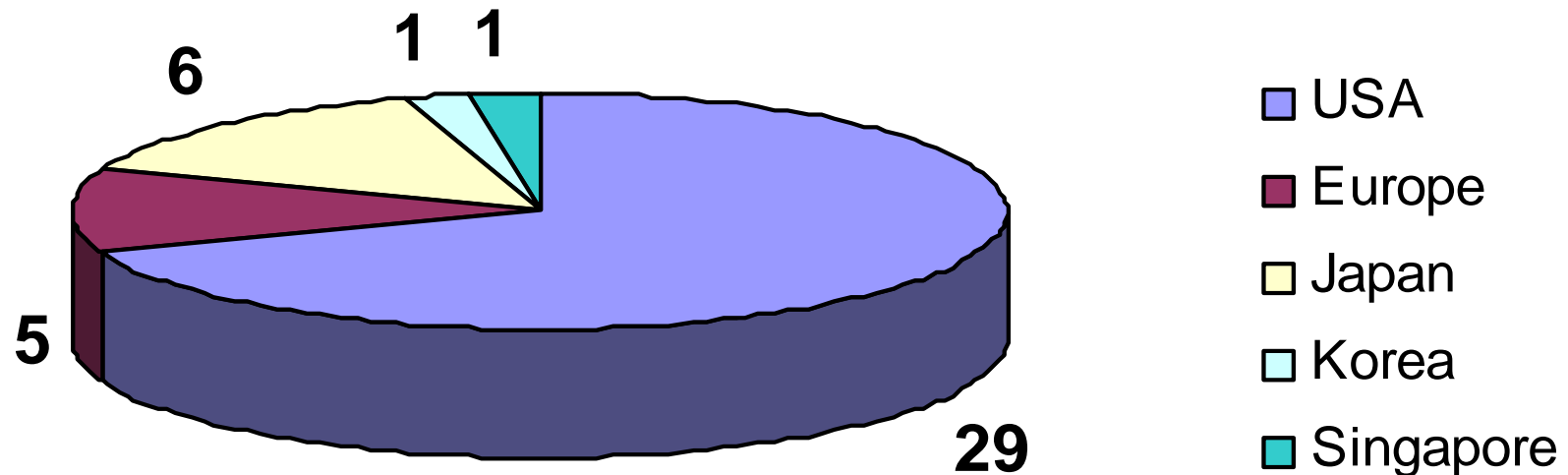
“ For leadership and contributions to research, development and industrial alliances in semiconductor technology. ”

Dr. Lu with IEEE

- IEEE Fellow
- Recipient of IEEE ***Third Millennium Medal***
- Vice-Chairman, Chairman of IEEE Electron Devices Society, Taipei Chapter(1991-1995) ; Board Director and Supervisor of IEEE Taipei Section (1996-2000).
- Editor, ***IEEE Transactions on Electron Devices*** (1994-2009)
- Chairman, Committee Member of many IEEE Symposia and Conferences.

Award Recipients

■ **Total: 42** (1971~2011)



* Awarded to a team(3 institutions) in 1998

* No award in 1977

(Source: IEEE Web site)

The First Recipient

1971 - FREDERIK J. PHILIPS(1905-2005, aged 100)

PHILIPS



Frederik Jacques "Frits" Philips

The fourth chairman of the BOD of his family's business, Philips. His grand-father Frederik Philips was a first cousin of Karl Marx.

In 1943, he was held in the concentration camp because of a strike. During the occupation, Frits saved 382 Jews and then was awarded the Yad Vashem reward by the Israeli ambassador in 1996 for his actions.

In 1999, he was named "Dutch entrepreneur of the century." His home city of Eindhoven celebrated his hundredth birthday by renaming the city as Frits Philips Stad and a special coin was minted which bears the nickname "Fritske".



(Source: Wikipedia)

Selected Award Recipients-1



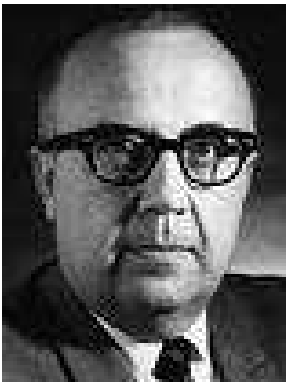
1972 - WILLIAM O. BAKER

A former President of Bell Labs and had advised five Presidents on scientific matters. He was a Fellow of the American Academy of Arts and Sciences (1965). A recipient of Willard Gibbs Award (1978) & National Medal of Science (1988).



1974 - CHAUNCEY GUY SUITS

Vice President and Director of Research of GE. A founding member of the National Academy of Engineering. His research work concerned non-linear electric circuits, and subsequently electric arcs and high temperature plasma phenomena.



1975 - C. LESTER HOGAN

Chairman and CEO of Fairchild Camera & Instrument. He is a pioneer in microwave and semiconductor industry. In 1968 he took eight senior executives (nicknamed *Hogan's Heroes*) moving to Fairchild from Motorola. This move caused Motorola to sue Fairchild (unsuccessfully) for theft of trade secrets.

(Source: IEEE Web site, Wikipedia)

Selected Award Recipients-2



1979 - GORDON E. MOORE

Co-founder and Chairman Emeritus of Intel Corporation and the author of Moore's Law (published in an article April 19, 1965 in *Electronics Magazine*). He is the recipient of the National Medal of Technology and the Presidential Medal of Freedom, the United States' highest civilian honor.



1985 - GEORGE HEILMEIER

CTO of Texas Instruments, Dallas, TX.

A pioneering contributor to liquid crystal displays. Served as a White House Fellow in 1970s. He initiated major efforts in stealth aircraft, space-based lasers and AI. Received 1991 National Medal of Science and 1997 IEEE Medal of Honor.



1999 - ROGER J. VAN OVERSTRAETEN

President, chief executive officer and founder of the Interuniversity Microelectronics Center (IMEC) which was set up in 1984. His broad vision on microelectronics and the future of the high-tech industry made IMEC the largest independent research centre in Europe in the field of microelectronics and related fields.

(Source: IEEE Web site, Wikipedia)

Selected Award Recipients-3



2001 - ARUN N. NETRAVALI

An IEEE Fellow. A pioneer of digital technology including HDTV. Netravali has been President of Bell Laboratories and Chief Scientist for Lucent Technologies. He was also awarded of U.S. National Medal of Technology and was a member of the National Academy of Engineering in 1989.



2002 - Toshiharu Aoki

An IEEE & IEICE Fellow, president and CEO of NTT Data Corporation. He led the development of the world's first, all-electronic digital switching system in the 1980's. He was also awarded the 2006 IEEE Founders Medal.



2010 - John E. Kelly, III

An IEEE Fellow, senior vice president and director of IBM. He leads IBM's 3000 technical employees at 9 labs in 7 countries and has been devoted to forging industry-university partnership for semiconductor R&D. He was also honored of semiconductor Industry's highest honor, the Robert E. Noyce Award.

(Source: IEEE Web site, Wikipedia)