

Allen J. Bard Award

The ECS Allen J. Bard Award in Electrochemical Science was established in 2013 to recognize distinguished contributions to electrochemical science. A group of ECS constituents spearheaded the fundraising initiative required to create this new Society level award. More than 30 donors contributed to the award fund, including major gifts from Asahi Kasei, CH Instruments, Larry Faulkner and the ECS Physical and Analytical Electrochemistry Division. The award is named in honor of Allen J. Bard, in recognition of his outstanding advancements in electrochemical science.

The recipient shall be distinguished for paradigm shifting contributions in the fields of electrochemical science and creative experimental or theoretical studies that have opened new directions in electroanalytical chemistry or electrocatalysis.

The Allen J. Bard Award is presented at the spring Meeting of the Society every two years. The award consists of a plaque containing a glassy carbon medallion, the sum of seventy-five hundred dollars, Life Membership, and a dinner held in the recipient's honor during the designated meeting.

Gordon E. Moore Award

The ECS Gordon E. Moore Medal for Outstanding Achievement in Solid State Science and Technology was established in 1971 for distinguished contributions to the field of solid state science. This award was formerly called the Solid State Science and Technology Award from 1971-2005.

The award recognizes outstanding contributions to the fundamental understanding and technological applications of solid state materials, phenomena, and processes.

The Gordon E. Moore award shall be granted every two years, and be presented at the spring meeting of the Society in odd years. The award consists of a silver medal and a plaque that contains a replica thereof, both bearing the name of the recipient, the sum of seventy-five hundred dollars, Life Membership, and a dinner held in the recipient's honor during the designated meeting.

Past Recipients of the Gordon E. Moore Award

2015	Yue Kuo
2013	Fan Ren
2011	Stephen Pearson
2009	C. Grant Willson
2007	Tak H. Ning
2005	Dennis Hess
2003	Richard B. Fair
2001	Arnold Reisman
1999	Isamu Akasaki
1997	Karl E. Spear
1995	Wayne L. Worrell
1993	Bruce E. Deal
1991	James D. Plummer
1989	James F. Gibbons
1987	Alfred Y. Cho
1985	Jerry M. Woodall
1983	Nick Holonyak, Jr.
1981	Gerald L. Pearson
1979	Morton B. Panish
1977	Robert N. Hall
1975	Harry C. Gatos
1973	William G. Pfann

Recipients of the Allen J. Bard Award

2015	Henry S. White
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THE ELECTROCHEMICAL SOCIETY Awards Dinner

231st Meeting

May 29, 2017

New Orleans, LA, USA



Doron Aurbach
2017 Recipient
Allen J. Bard Award



Paul Kohl
2017 Recipient
Gordon E. Moore Medal



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2017 Allen J. Bard Award Recipient



Doron Aurbach

DORON AURBACH is a professor in the Department of Chemistry at Bar-Ilan University in Israel, where he founded and currently leads the Electrochemistry Group. Under his supervision, 50 PhD and 70 MSc students received their degrees.

Aurbach's team researches the electrochemistry of active metals, non-aqueous electrochemical systems, electrochemical intercalation processes, electrochemical water desalination, and electronically conducting polymers. Additionally, they develop rechargeable high energy density batteries and supercapacitors, as well as novel electro-analytical and spectro-electrochemical methods for sensitive electrochemical systems.

Aurbach has published more than 540 peer-reviewed papers, which have received more than 37,000 citations. He serves as a technical editor for the *Journal of The Electrochemical Society* and has been named Fellow by ECS (2008), ISE (2010), and MRS (2012). He is the head of the Israel National Research Center for Electrochemical Propulsion.

About Allen J. Bard

ALLEN J. BARD is the Norman Hackerman-Welch Regents Chair in Chemistry and the Director of the Center for Electrochemistry at The University of Texas at Austin. Dr. Bard was born in New York City and is a product of its public school system, having graduated from the Bronx High School of Science. In 1955, he received a BS from The City College of New York and followed with an MA and PhD from Harvard University (1956 and 1958, respectively). A well-published expert in electrochemistry, he is responsible for over 850 peer-reviewed research papers, 75 publications, and three books: *Chemical Equilibrium*, *Electrochemical Methods – Fundamentals and Applications*, and *Integrated Chemical Systems: A Chemical Approach to Nanotechnology*. Dr. Bard holds 23 patents. Over the course of his career, he has mentored and collaborated with graduate students, postdoctoral associates, and visiting scientists, who have all benefited from his knowledge and experience.

Among Dr. Bard's many accolades are The Electrochemical Society's Carl Wagner Memorial Award (1981), the Henry B. Linford Award for Distinguished Teaching (1986), and the Olin Palladium Award (1987). He has also been awarded the ACS Priestley Medal (2002) and the Wolf Prize in Chemistry (2008). In 1990, he was elected into the American Academy of Arts & Sciences. In 2013, Dr. Bard was awarded the National Medal of Science, one of the highest honors bestowed by the U.S. government upon scientists, engineers, and inventors. Another recent accolade is his receipt of the 2014 Enrico Fermi Award, an additional Presidential distinction, which honors international leadership in electrochemical science and technology.

Allen J. Bard has been a member of ECS for over 50 years and is the first living member of ECS to have an award established in his name.

2017 Gordon E. Moore Award Recipient



Paul Kohl

PAUL KOHL received his PhD in chemistry from the University of Texas in 1978. After graduation, Kohl was employed at AT&T Bell Laboratories from 1978-1989.

In 1989, he joined the faculty of the Georgia Institute of Technology in the School of Chemical and Biomolecular Engineering, where he is currently a Regents' Professor and holder of the Hercules Inc. Thomas L. Gossage Chair.

Kohl is the past editor of the *Journal of The Electrochemical Society*, *Electrochemical and Solid-State Letters*, and *Interface*. He is a past president of ECS and past director of the Semiconductor Research Corporation Interconnect Focus Center.

About Gordon E. Moore

GORDON E. MOORE is the co-founder and chairman of the Intel Corporation. He established what is now known as Moore's law: the observation that the number of transistors per square inch on integrated circuits had doubled every year since the integrated circuit was invented, published in *Electronics Magazine* in 1965. While originally intended as a rule of thumb in 1965, Moore's law has become the guiding principle for the industry to deliver ever more powerful semiconductor chips at proportionate decreases in cost.

Dr. Moore, a California native, is a graduate of the University of California, Berkeley where he achieved a BS in Chemistry in 1950. In 1954, he completed his PhD in Chemistry from the California Institute of Technology. From 1953 to 1956, he conducted postdoctoral research at the Applied Physics Laboratory at Johns Hopkins University. In 1968, he co-founded NM Electronics with Robert Noyce, the company that later became Intel Corporation. Intel is the pioneer of microprocessor production and the largest computer chip producer in the world. In 1997, Gordon Moore was given the title Chairman Emeritus after 30 years of executive leadership.

Dr. Moore is a Fellow of the Royal Society of Engineering and of the American Association for the Advancement of Science. He has received two presidential awards: the National Medal of Technology and Innovation (1990) and the Presidential Medal of Freedom (2002), the highest civilian honor. As a philanthropist, Dr. Moore maintains a presence in environmental conservation giving through the Gordon and Betty Moore Foundation. He is also a sustaining donor to his alma mater CalTech having donated \$600 million in hopes that the school would remain at the forefront of research and technology.

Moore has been a member of ECS for over 50 years and currently holds Emeritus status.

For more information about ECS Awards visit www.electrochem.org/awards