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Press Release

EDAA Achievement Award 2022 goes to Edward A. Lee

The Achievement Award is given to individuals who made outstanding contributions to the state of the art in electronic design, automation and testing of electronic systems in their life. In order to be eligible, candidates must have made innovative contributions which had an impact on the way electronic systems are being designed.

Past recipients have been Kurt ANTREICH (2003), Hugo DE MAN (2004), Jochen JESS (2005), Robert BRAYTON (2006), Tom W. WILLIAMS (2007), Ernest S. KUH (2008), Jan M. RABAEY (2009), Daniel D. GAJSKI (2010), Melvin A. BREUER (2011), Alberto L. SANGIOVANNI-VINCENTELLI (2012), Peter MARWEDEL (2013), Rolf ERNST (2014), Lothar THIELE (2015), Giovanni DE MICHELI (2016), C. L. David LIU (2017), Mary Jane IRWIN (2018), Jacob ABRAHAM (2019), Luca BENINI (2020) and Georges GIELEN (2021).

Edward A. Lee is Professor of the Graduate School and Robert S. Pepper Distinguished Professor Emeritus in Electrical Engineering and Computer Sciences (EECS) at the University of California at Berkeley, where he has been on the faculty since 1986. He is the author of seven books, some with several editions, including two for a general audience, and hundreds of papers and technical reports. Lee has delivered more than 200 keynote and other invited talks at venues worldwide and has graduated 40 PhD students.

Professor Lee's research group studies cyber-physical systems, which integrate physical dynamics with software and networks. His focus is on the use of deterministic models as a central part of the engineering toolkit for such systems. He is the director of iCyPhy, the Berkeley Industrial Cyber-Physical Systems Research Center. From 2005-2008, he served as Chair of the EE Division and then Chair of the EECS Department at UC Berkeley. He has led the development of several influential open-source software packages, notably Ptolemy and Lingua Franca.

Lee received his BS degree in 1979 from Yale University, with a double major in Computer Science and Engineering and Applied Science, an SM degree in EECS from MIT in 1981, and a Ph.D. in EECS from UC Berkeley in 1986. From 1979 to 1982 he was a member of technical staff at Bell Labs in Holmdel, New Jersey, in the Advanced Data Communications Laboratory.

He is a co-founder of BDTI, Inc., where he is currently a Senior Technical Advisor, and has consulted for a number of other companies.

Lee is a Fellow of the IEEE, was an NSF Presidential Young Investigator, won the 1997 Frederick Emmons Terman Award for Engineering Education, received the 2016 Outstanding Technical Achievement and Leadership Award from the IEEE Technical Committee on Real-Time Systems (TCRTS), the 2018 Berkeley Citation, the 2019 IEEE Technical Committee on Cyber-Physical Systems (TCCPS) Technical Achievement Award, and, now, the 2022 European Design and Automation Association (EDAA) Achievement Award.

EDAA is a non-profit association. Its purpose is to operate for educational, scientific and technical purposes for the benefit of the international electronics design and design automation community. The Association, in the field of design and design automation of electronic circuits and systems, promotes a series of high quality technical international conferences and workshops across Europe and cooperates actively to maintain harmonious relationships with other national and international technical societies and groups promoting the purpose of the Association. EDAA is the main sponsor of DATE, the premier Design, Automation and Test Conference and Exhibition in Europe.

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