Robert Dutton Chosen to Receive EDA Industry's Prestigious Kaufman Award

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The Electronic Design Automation (EDA) Consortium announced today announced that Dr. Robert Dutton, Robert and Barbara Kleist professor of engineering at Stanford University and director of the Integrated Circuits Laboratory, has been chosen as this year's recipient of the EDA industry's prestigious Phil Kaufman Award. The Consortium will present the Award on Thursday, November 2 at its 13th annual Kaufman Award dinner and ceremony at the Marriott Hotel in Santa Clara, Calif.

A pioneering scholar and researcher, Dr. Dutton is being honored for his numerous and significant contributions to the EDA industry in the area of computer simulation of integrated circuit (IC) technology. Dr. Dutton's pioneering work in both IC fabrication process modeling and electrical behavior modeling of devices and circuits resulted in the SUPREM (Stanford University Process Engineering Models) and PISCES (Poisson and Continuity Equation Solver) simulation tools and software, which have been broadly adopted by the industry and used widely in support of technology development. Dr. Dutton's work continues to be a key factor in the development of new technologies, including those in the emerging field of nano-electronics.

"Although Bob would be the first to share credit with others, there are very good reasons why Bob is often referred to as the 'father of TCAD.' He has not only been the pioneer in this area but has also been instrumental in transitioning the results of his academic research into successful industrial and commercial deployment," said Dr. Aart de Geus, EDA Consortium chairman and chairman and CEO of Synopsys, Inc. "IC technology as we know it today would not have been possible without the software tools and methodologies Bob pioneered, and we as an industry are grateful for his many and far-reaching contributions."

The SUPREM process simulation program pioneered by Dr. Dutton's group made it practical to successfully simulate the IC fabrication process using physical models for each step in the process. During his distinguished career, Dr. Dutton co-founded the first TCAD company, Technology Modeling Associates (TMA). Serving as a director of TMA, Dr. Dutton promoted the growth of the TCAD industry and played an instrumental role in TMA becoming a public company. With TMA's subsequent merger with Avant!, TCAD was integrated into the broader EDA industry.

"Bob's contributions to EDA reflect the important role that process modeling has played to make possible so many major advances in the design of innovative integrated circuits," said Walden C. Rhines, vice-chair of the EDA Consortium and chairman and CEO of Mentor Graphics Corp. "He has contributed both his own innovative technical advances while training many outstanding students who have advanced our industry's capability."

Presented annually by the EDA Consortium, the Kaufman Award honors an individual who has had a demonstrable impact on the field of EDA. For more information on the award and to attend the event, go to www.edac.org.

About the EDA Consortium

The EDA Consortium is the international association of companies that provide tools and services that enable engineers to create the world's electronic products. EDA is the critical technology used to design electronics for the communications, computer, space technology, medical and industrial equipment and consumer electronics markets among others.

For more information about the EDA Consortium or to subscribe to the Market Statistics Service, contact EDA Consortium, 111 West Saint John Street, Suite 220, San Jose, Calif. 95113, USA, office 408-287-3322, fax 408-283-5283 or visit www.edac.org.

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