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**EDA CONSORTIUM HONORS INDUSTRY PIONEER, EDUCATOR AND RESEARCHER ALBERTO SANGIOVANNI-VINCENTELLI WITH THE 2001 KAUFMAN AWARD**

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*SAN JOSE, California, November 5, 2001*— The EDA Consortium, an association of global companies developing design solutions and services that enable engineers to create electronic products, today announced it has chosen electronic industry pioneer, researcher and educator Alberto Sangiovanni-Vincentelli as the 2001 recipient of the prestigious Phil Kaufman Award. The Consortium will honor Dr. Sangiovanni-Vincentelli on Thursday, November 8, at its annual award ceremony at the Fairmont Hotel in San Jose.

Dr. Sangiovanni-Vincentelli is a world-renowned authority on circuit simulation, computer-aided design of integrated circuits, logic synthesis, and system design. As a member of the National Academy of Engineering, he holds the highest professional honor for an American engineer.

Dr. Sangiovanni-Vincentelli currently holds the Edgar and Harold H. Buttner Chair of Electrical Engineering and Computer Sciences and is the Vice-Chair, Industrial Relations, at the University of California at Berkeley – where he has taught since 1976. He also is a member of the Advisory Board of the Lester Center of Entrepreneurship and Management of Technology of the Haas School of Business, UC Berkeley, a member of the Advisory Board of the Center for Western European Study, UC Berkeley, Chief Technology Adviser of Cadence Design Systems and is head of Cadence’s European Laboratories.

“Alberto Sangiovanni-Vincentelli is truly the Renaissance Man of our industry, having had a profound and multi-dimensional impact on the science of electronics,” said Ray Bingham, EDA Consortium chairman and Cadence Design Systems CEO. “As an entrepreneur, he helped spawn electronic design as a global industry. As an educator, he’s mentored, influenced and inspired generations of engineers who shape the electronic design industry. As an inventor, he has developed industry-setting advances in technology that have improved the quality and reduced the design time of integrated circuits and electronic systems. And as a visionary, he’s spearheaded collaborative projects between customers and vendors around the world.”

Initiated in 1994, The Kaufman Award honors individuals who have made a substantial, sustainable contribution to the success and advancement of the electronic design industry. Dr. Sangiovanni-Vincentelli’s involvement with the design industry dates to the mid 1970s. Major contributions to electronic design include:

- Contributed to the algorithmic foundations of the circuit simulator SPICE and developed with his students a new class of circuit simulators based on novel algorithms such as Relax and Spectre.
- Co-developed with Robert Brayton the field of logic synthesis with a set of programs, such as Espresso and MIS, and algorithms that are the foundations of several industrial offerings in the field of hardware synthesis.
- Conceived and created the Cadence Berkeley Labs whose focus is dedicated to technical innovation in the area of design science, including but not limited to advanced EDA technology and methodologies.
- Established and now runs the Cadence European Labs (CEL), which taps into the research activities at several European universities and research centers in Italy, France, Portugal and Spain.
- Spearheaded efforts on the automatic synthesis of embedded software, platform-based design, architecture-function co-design and communication-based design.
- Developed, with his students and co-workers, the POLIS system, the first tool to use a self-consistent, well defined *globally asynchronous locally synchronous* (GALS) paradigm for system-level design and to include software synthesis, formal verification, performance evaluation and simulation in the overall design methodology.
- Working with Cadence and its customers, developed the Cadence Virtual Component Co-design (VCC), a design environment that enables teams to collaborate on challenging designs, thereby boosting productivity and reducing cycle time. VCC has subsequently earned EDN Magazine’s 2000 “Innovation of the Year” award, Electronic Products’ “Product of the Year” award and French Groupe Tests Publication’s “Electron D’ Or” as best EDA product of 2000.
- Helped create and directs PARADES (Project on Advanced Research on Architecture and Design of Embedded Systems), a collaborative effort supported by Cadence, Magneti-Marelli and ST Microelectronics in Rome. PARADES specializes in automotive electronics.

Stanford University’s Giovanni De Micheli, who nominated Dr. Sangiovanni-Vincentelli for The Kaufman Award, said, “Alberto is a researcher and an educator who has shaped the EDA industry landscape. As a researcher he has pioneered several new design technologies, most recently the VCC design environment. As an educator, he has inspired and mentored a generation of academics and engineers, most significantly by transmitting to them enthusiasm and knowledge.”



“I have had the distinct honor and pleasure of working with Alberto for almost a quarter century now. His boundless energy, his unbridled enthusiasm, and his creativity and passion have enabled Alberto to lead many breakthrough developments in EDA—in his university research and his industrial affiliations—both criteria central to the Kaufman Award,” said Richard Newton, dean of the College of Engineering at University of California, Berkeley.

**About EDA Consortium:**

**Where Electronics Begins™** best describes the Electronics Design Automation (EDA) Industry. The EDA Consortium represents this vital industry on a worldwide scale. It is the international association of companies developing design tools and services that enable engineers to create the world's electronic products. EDA provides the critical technology to design electronics that enable the Information Age, including: communications, computers, space technology, medical and industrial equipment and consumer electronics. As stated recently by the Nobel Prize Committee, “The integrated circuit is the basis for all modern technology.”

**For more information about EDA Consortium, 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](http://www.edac.org).**

**Note to Editors:** A fact sheet follows containing further information about the Kaufman Award, including the names of past honorees. Photos of the Kaufman Award recipients and the EDA Consortium logo are available upon request.

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