

November 2015

Currents



IEEE Council on Electronic Design Automation

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CEDA Welcomes a New Chapter

As of 7 July 2015, the IEEE Central Pennsylvania, Pittsburgh, Philadelphia Joint Sections Council of Electronic Design Automation Chapter has been formed and approved by IEEE Member and Geographic Activities.

The chapter officers are as follows:

- Chair, Xin Li (Carnegie Mellon University);
- Vice- Chair, Hai Li (University of Pittsburgh);
- Secretary, Natasa Miskov-Zivanov (Carnegie Mellon University); and
- Treasurer, Baris Taskin (Drexel University).

We are very proud of this accomplishment, and look forward to the great work of the IEEE Central Pennsylvania, Pittsburgh, Philadelphia Joint Sections CEDA Chapter!

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IEEE Embedded Systems Letters is open for submissions.
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IEEE Standards Association

The IEEE Standards Association (IEEE-SA) is a leading consensus-building organization that nurtures, develops, and advances global technologies through IEEE. IEEE-SA brings together a broad range of individuals and organizations from a wide range of technical and geographic points of origin to facilitate standards development and standards-related collaboration. With collaborative leaders in more than 160 countries, IEEE-SA promotes innovation, enables the creation and expansion of international markets, and helps protect health and public safety. Collectively, the work of IEEE-SA drives the functionality, capabilities, and interoperability of a wide range of products and services that transform the way people live, work, and communicate. The IEEE-SA standards development process is open to both IEEE-SA members and nonmembers alike. However, by providing additional balloting and participation opportunities, IEEE-SA Membership enables standards development participants to engage in the standards development process at a deeper and more meaningful level. IEEE-SA members are the driving force behind the development of standards, providing technical expertise and innovation, driving global participation, and pursuing the ongoing advancement and promotion of new concepts.

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Walden C. Rhines Wins Phil Kaufman Award

Walden (Wally) C. Rhines, chairman and CEO of Mentor Graphics, has been selected as the 2015 recipient of the Phil Kaufman Award for Distinguished Contributions to Electronic Design Automation (EDA) by the EDA Consortium (EDAC) and IEEE CEDA. Rhines is being recognized for growing the EDA and IC design industries through his efforts as a leading voice of EDA and for pioneering the evolution of IC design to SoC design.

A member of the EDAC Board of Directors since 1994, Rhines served an unprecedented five two-year terms as EDAC's chairman between 1996 and 2012. "Dr. Rhines has helped drive EDAC to a position of leadership, creating a mechanism for the EDA industry to grow and address common issues," remarked Robert P. Smith, executive director of EDAC. "He has worked tirelessly to promote EDA as a key enabler, driving the growth of the worldwide semiconductor industry as well."

"Dr. Rhines has been a stalwart supporter of the EDA industry and presenting him with this year's Kaufman Award is a tribute to his efforts," stated Sani Nassif, president of CEDA. "He has successfully bridged his career as a researcher into an exceptionally effective business leader."

worldwide EDA, revenue has nearly quadrupled (\$1.24 billion in 2014). Under his leadership, Mentor Graphics has grown to achieve the industry's top market share solution in three of the 10 largest product segments of the EDA industry.

Before joining Mentor Graphics, Rhines was executive vice president of the Semiconductor Group at Texas Instruments. At TI, Rhines shared responsibility for the company's Components Sector, and he was directly responsible for the entire semiconductor business, with over \$5 billion in revenue and more than 30,000 people.

Rhines also initiated the development of the TMS320 family of digital-signal processors (DSPs) and managed the evolution of DSP-based products, which ultimately became more than one-third of TI's revenue. At Mentor Graphics, Rhines has encouraged investment in areas outside of traditional EDA, including system design, embedded software, and automotive and hardware emulation, leading to innovation and growth of the entire EDA industry.

Rhines also served as a member of the Board of the Semiconductor Research Corporation (SRC). "As an SRC Board member, Dr. Rhines acted as the key communications link between the EDA industry and EDA users in the semiconductor and embedded systems industry," said Georges G.E. Gielen, professor at Katholieke Universiteit Leuven. "He also provided motivational insights for students, professors, and researchers into how EDA is impacting and changing the world."

Walden Rhines has a BS in metallurgical engineering from the University of Michigan, an MS and PhD in materials science and engineering from Stanford University, an MBA from Southern Methodist University, and an Honorary Doctor of Technology degree from Nottingham Trent University.

Papers in IEEE Embedded System Letters

The top-five accessed articles from *IEEE Embedded System Letters* in July 2015 were as follows:

- "[FPGA-Based Protection Scheme against Hardware Trojan Horse Insertion Using Dummy Logic](#)," by B. Khaleghi et al.
- "[Cooperative On-Chip Temperature Estimation Using Multiple Virtual Sensors](#)," by J. Yong Shin, F. Kurdahi, and N. Dutt
- "[On the Impacts of Greedy Thermal Management in Mobile Devices](#)," by O. Sahin and A.K. Coskun
- "[RSS-Aware Energy Saving for Large Life Downloading on Smartphones](#)," by Huan Li and Lunde Chen
- "[Security-Aware Modeling and Efficient Mapping for CAN-Based Real-Time Distributed Automotive Systems](#)," by C.-W. Lin, Q. Zhu, and A. Sangiovanni-Vincentelli

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Upcoming Conferences

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ASP-DAC	Macao, China	25-28 January 2016
DATE	Dresden, Germany	14-18 March 2016

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CEDA Currents is a publication of IEEE CEDA.

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