CEDA Currents
Council on Electronic Design Automation

IEEE Embedded Systems Letters Now in Emerging Sources Citation Index

The CEDA-sponsored *IEEE Embedded Systems Letters* (*ESL*) will now be included in the Emerging Sources Citation Index by Clarivate Analytics (formerly Thomson Reuters Intellectual Property & Science). This is the first step in applying to the full Science Citation Index with Impact Factors. It represents a mark of quality and improves the visibility of the journal via the Web of Science. It is also good for authors, since *ESL* papers will now be included in their H-Index calculation.

CEDA's Ernest S. Kuh Early Career Award

The IEEE CEDA Ernest S. Kuh Early Career Award honors an individual who has made innovative and substantial technical contributions to the area of EDA in the early stages of his or her career. The award was renamed in honor of the late Ernest S. Kuh, who made pioneering contributions in circuit theory, EDA, and engineering education.

The second annual Ernest S. Kuh Early Career Award was presented to Mohammad Abdullah Al Faruque (University of California, Irvine) at the 2016 International Conference on Computer-Aided Design (ICCAD), for his contributions to energy-efficient design of reliable embedded and cyber-physical systems.

The deadline for submitting nominations for the 2017 award is 15 April 2017. Please visit CEDA's award page at http://ieee-ceda.org/awards/ernest-s-kuh-early-career.

Join Us at DATE 2017

The 20th Design, Automation and Test in Europe (DATE) Conference and Exhibition will be held on 27–31 March 2017 in Lausanne, Switzerland. DATE is the main European event that brings together designers and design automation users, researchers, and vendors, as well as specialists in hardware and software design, test, and manufacturing of electronic circuits and systems. DATE puts strong emphasis on integrated circuits and SoCs, reconfigurable hardware, and embedded systems, including embedded software.

This year, along with the traditional topic areas for paper submissions (Design Methods and Tools, Application Design, Test and Robustness, and Embedded Systems Software), the conference will hold two special days, focusing on two areas with new challenges to the systems design community: Designing Electronics for the Internet of Things Era and Designing Wearable Electronics and Smart Medical Devices.

Designing Electronics for the Internet of Things Era

Our society is evolving to a point where objects and people will be almost permanently connected andexchanging information. This scenario, called the Internet of Things (IoT), is the result of the convergence in the evolution and integration of communication, computing, storage, and sensing technologies. This special day will investigate how progress in technologies and applications of IoT can be nurtured and cultivated for the benefit of society.

Designing Wearable Electronics and Smart Medical Devices

Progress in microelectronics has enabled the miniaturization of data-processing elements, radio transceivers, and sensors for a large set of physiological phenomena. Autonomous sensor nodes can monitor vital body parameters in an unobtrusive way during daily life. This special day will cover the latest trends toward alternative architectures, technologies, and design paradigms for low-cost, low-power, miniaturized devices such as smart wireless sensor nodes.

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Keynotes at DATE 2017

There will be two exciting keynotes at 2017 DATE:

- **The Engineering to Medicine Metamorphosis**, by Sani Nassif (Radyalis)
- **Design Automation in the Era of AI and IoT: Challenges and Pitfalls**, by Arvind Krishna (IBM Research)

Join us for this new edition of DATE. Please see https://www.date-conference.com for details.

Papers in *IEEE Embedded Systems Letters*

The top-five accessed articles from *IEEE Embedded Systems Letters* in July 2016 were as follows:

- "Energy Efficient Outdoor Light Monitoring and Control Architecture Using Embedded System," by Z. Kaleem, T.M. Yoon, and C. Lee
- "Wearable Camera- and Accelerometer-Based Fall Detection on Portable Devices," by K.Ozcan and S. Velipasalar
- "A Compact Portable Microwave Life-Detection Device for Finding Survivors," by F. JalaliBidgoli, S. Moghadami, and S. Ardalan
- "Bringing Hardware Multithreading to the Real-Time Domain," by T. Gomes et al.
- "In-Situ Requirements Monitoring of Embedded Systems," by M. Seo and R. Lysecky

Papers in *IEEE Design & Test*

The top-five accessed articles from *IEEE Design & Test* in August 2016 were as follows:

- "Ultralow Power and the New Era of Not-So-VLSI," by M. Wolf
- "Cybersecurity for Control Systems: A Process-Aware Perspective," by F. Khorrami, P. Krishnamurthy, and R. Karri
- "Approximate Computing: A Survey," by Q. Xu, T. Mytkowicz, and N.S. Kim
- "Integrated Systems in the More-Than-Moore Era: Designing Low-Cost Energy-Efficient Systems Using Heterogeneous Components," by K. Roy et al.
- "Automotive Cyber-Physical Systems: A Tutorial Introduction," by S. Chakraborty et al.

Upcoming Conferences (Yao-Wen Chang, ywchang@ntu.edu.tw)	
ASP-DAC	Tokyo, Japan, 16-19 January 2017
DATE	Lausanne, Switzerland, 27-31 March 2017
GLSVLSI	Alberta, Canada, 10-12 May 2017
WIE ILC	San Jose, California, 22-23 May 2017
DAC	Austin, Texas, 18-22 June 2017

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