January 2014 Monthly Update

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Interdisciplinary Engineering Design Education Conference 2014

The Interdisciplinary Engineering Design Education Conference (IEDEC) technical program features invited talks by industry and academia experts as well as technical presentations covering critical issues related to excellence in interdisciplinary engineering design education. IEDEC 2014 will be held on March 3, 2014 at the Santa Clara Convention Center. Registration for the event is now open.

The following invited speakers will present at this year's conference:

- Integrating Modular Chemical Engineering Projects Across the Curriculum, Noah Malmstadt, Assistant Professor in the Dept. of Chemical Engineering and Materials Science, University of Southern California
- Do Engineering: Unleashing the Next Generation of System Designers, Zachary Nelson, Americas Academic Program Manager, National Instruments
- The Role of Computer Science in Engineering Education, Mark Sherriff, Associate Professor in the Dept. of Computer Science, University of Virginia
- Big Countries, Small Data, SMART Connectedness, Michael D. Wilson, Faculty Member in the College of Technology, Purdue University
- The Role of Quality Management Topics into Entrepreneurship Education, Dr. S. Jimmy Ghandi, Assistant Professor in the Dept. of Manufacturing Systems Engineering & Management, California State University, Northridge
- The Rational for Interdisciplinary Programs that Combine Engineering and the Liberal Arts, Dan Lewis, Associate Professor and Chair in the Dept. of Computer Engineering, Santa Clara University
- Failure? What an Opportunity!, Giorgio Riga, Founder and President Riga Analytical Lab

Visit the IEDEC website for more information and to register today!

IEDEC Educational Award Nominations Due By Feb. 7

Nominate someone today for the Education Leadership Award or Quality Educator Award. The Interdisciplinary Engineering Design Education Conference (IEDEC) awards program intends to honor and pay tribute to organizations and educators who exemplify excellence in interdisciplinary engineering education.

Nominations are currently being accepted through February 7, 2014. Winners will be announced and recognized at IEDEC.

Articles

- Application-Specific Processor for Piecewise Linear Functions Computation, Universidad Nacional del Sur: Various Authors
- A Novel Control Method for Input Output Harmonic Elimination of the PWM Boost Type Rectifier Under Unbalanced Operating Conditions, Cleveland State University: Ana Vladan Stankovic and Thomas A. Lipo
- Compact Modeling of the p-n Diode Reverse Recovery Effect Valid for both Low and High Current-Density Conditions, Hiroshima University: Masataka Miyake, Junichi Nakashima, Mitiko Miura-Matsumas, Administration and Communication-Aware IP Core Mapping in Scalable Multiprocessor System-on-Chips via Evolutionary Computing, Technische Universitat Dresden: Falko Guderian, Rainer Scholl, and Gerhard Fettweis

Upcoming Events

- ACM/SIGDA Field-Programmable Gate Arrays (FPGA) February 26 - 28, 2014, Monterey, California
- International Symposium on Quality Electronic Design (ISQED) March 3 - 5, 2014, Santa Clara, California
- DATE 2014 March 24 - 28, 2014, Dresden, Germany

Call for Papers

- 2014 ASEE International Forum Due By: February 7, 2014
- IEEE-USA Annual Symposium on VLSI (BWSL) Due By: February 16, 2014