EDAA Outstanding Dissertations Award 2013

Oldenburg, January 23, 2014. In recognition of the importance of university research to the advancement of design, automation and test, and to encourage young researchers to work in the field, the European Design and Automation Association (EDAA) has established an award for outstanding Ph.D. dissertations.

Four categories have been considered in 2013:

- **Topic 1** – New directions in embedded system design and embedded software
- **Topic 2** – New directions in logic and system design
- **Topic 3** – New directions in physical design, design for manufacturing and CAD for analogue circuits and MEMS
- **Topic 4** – New directions in circuit and system test

An open call for nominations was organized. The awards are open to young researchers from any country. The dissertations must have been finalized in the last 2 years before the submission deadline. The nominations had to include:

- An extended statement explaining the outstanding contributions of the thesis,
- The PhD thesis, preferably in English,
- A CV and a list of related publications.

The nominations had to be supported by at least 2 reference letters of experts in the respective fields, at least one from a different university.

In 2013 EDAA has received a total of 26 submissions from around the world. In each category a committee of international experts evaluated all nominations and selected the final winner. Each award consists of a 1000 € prize and a certificate.

The 2013 winners have been selected by a high level jury: Prof. Günhan Dündar, Prof. Petru Eles, Prof. Sybille Hellebrand, Prof. Alberto Macii. They will be awarded at the DATE 2014 Conference and Exhibition, to be held March 25-28 in Dresden, Germany (www.date-conference.com). The 2013 winners in the 4 categories are respectively:

- **Topic 1**: Weiwei Chen, PhD (University of California, Irvine, USA); Thesis: "Out-of-Order Parallel Simulation for Electronic System-Level Design"; Advisor: Prof. Rainer Dömer
- **Topic 2**: Younghyun Kim, Ph.D. (Seoul National University, Korea); Thesis: "Design and Runtime Optimizations of Hybrid Electrical Energy Storage Systems"; Advisor: Prof. N. Chang
- **Topic 3**: Hongbo Zhang, Ph.D. (University of Illinois at Urbana-Champaign, USA); Thesis: "Design-Technology Co-Optimization in Next Generation Lithography"; Advisor: Prof. M. D. F. Wong
- **Topic 4**: Yanjing Li, Ph.D. (Stanford University, USA); Thesis: "Online Self-Test, Diagnostics, and Self-Repair for Robust System Design"; Advisor: Prof. S. Mitra

In addition, SPRINGER will publish these awarded dissertations in the EDAA Outstanding Monographs series.

More information:
http://www.edaa.com/
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EDAA is a non-profit association. Its purpose is to operate for educational, scientific and technical purposes for the benefit of the international electronics design and design automation community. The Association, in the field of design and design automation of electronic circuits and systems, promotes a series of high quality technical international conferences and workshops across Europe and cooperates actively to maintain harmonious relationships with other national and international technical societies and groups promoting the purpose of the Association. EDAA is the main sponsor of DATE, the premier Design, Automation and Test Conference and Exhibition in Europe.