



EDAA Outstanding Dissertations Award 2008

Grenoble, 30 December 2008. 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, EDAA has established an award for outstanding Ph.D. dissertations. Four categories have been considered in 2008:

Topic 1 – New directions in embedded system design and embedded software

Chair : Rolf Ernst

Committee Members : Alan Burns, Kiyoung Choi, Jürgen Teich

Topic 2 – New directions in logic and system design

Chair : Wolfgang Rosenstiel

Committee Members : Reinaldo Bergamaschi, Giovanni De Micheli, Don Thomas

Topic 3 – New directions in physical design, design for manufacturing and CAD for analog circuits and MEMS

Chair : Marcelo Lubaszewski

Committee Members : Helmut Graeb , Adam Osseiran, Adoracion Rueda, Radu Marculescu

Topic 4 – New directions in circuit and system test

Chair : Subhasish Mitra

Committee Members: Shawn Blanton, John Hayes, Sybille Hellebrand

In each category, one award can be given. Each award consists of a 1 000 € prize and a certificate. The dissertations must have been finalized in the last 2 years before the submission deadline. The awards are open to young researchers from any country.

- ▶ The nominations had to include:
 - An extended statement explaining the outstanding contributions of the thesis,
 - The PhD Thesis, preferably in English,A thesis which is written in a language other than English must be accompanied by sufficient published material in English so that the jury can judge contributions and quality of the PhD work,
 - 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 2008, EDAA has received a total of 30 submissions.

The 2008 winners will be awarded at the DATE Conference and Exhibition, to be held 20-24 April in Nice, France. The 2008 winners are respectively:

- Topic 1: **Dr. Umit Y. Ogras** (Carnegie Mellon University, USA), title: "Modeling, analysis and optimization of network-on-chip communication architectures". Advisor: Prof. Radu Marculescu.
- Topic 2: **Dr. Chrysostomos Nicopoulos** (The Pennsylvania State University, USA), title: "Network-on-Chip Architectures: A Holistic Design Exploration". Advisors: Prof. Vijaykrishnan Narayanan and Prof. Kenneth Jenkins.
- Topic 3: **Dr. Amith Singhee** (Carnegie Mellon University, USA), title: "Novel Algorithms for Fast Statistical Analysis of Scaled Circuits". Advisor: Prof. Rob A. Rutenbar.
- Topic 4: **Dr. Dongwoo Hong** (University of California Santa Barbara, USA), title: "Efficient Test Methodologies for High-Speed Serial Links". Advisor: Prof. Kwang-Ting (Tim) Cheng.

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.