

Call for Designs

University LSI Design Contest ASP-DAC 2012

<http://www.aspdac.com/aspdac2012/>

January 30-February 2, 2012

Sydney, Australia



Aims of the Contest:

The University LSI Design Contest is a unique feature of ASP-DAC 2012. The aim of the contest is to encourage education and research on VLSI design at universities and other educational organisations. We solicit designs from one or more of the following categories:

- (1) Designed, and actually implemented on chips in universities or other educational organisations during the last two years;
- (2) Designs that report actual measurements from implementations;
- (3) Innovative design prototypes.

Interesting or excellent designs will be selected for presentation in a special session at the conference. Awards will be given to outstanding designs, selected from those presented at the conference.

Areas of Design:

Original LSI circuit designs including (but not limited to):

- (1) Analog, RF and Mixed-Signal Circuits, (2) Digital Signal Processing, (3) Microprocessors, (4) Custom ASIC.
- Eligible designs can be implemented using technologies including:
- (a) Full Custom and Cell-Based LSIs, (b) Gate Arrays, (c) FPGA/PLDs.

Submission of Design Descriptions:

To enter a design in the contest, please submit a camera-ready summary of up to 2 pages including figures, tables, and references. It is strongly recommended that measured experimental results are included. For original LSI circuits a chip micrograph is also recommended. Please do not submit the same paper as a regular paper.

Specification of the submission format will be available at <http://www.aspdac.com/aspdac2012/>

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| Deadline for summary: | 5PM EST (GMT+10) Aug. 8 (Mon.), 2011 |
| Notification of acceptance: | Sep. 23 (Fri.), 2011 |
| Deadline for camera-ready: | 5PM EST (GMT+10) Nov. 14 (Mon.), 2011 |

Review:

Submitted designs will be reviewed by the Design Contest Committee in a process similar to the review process for the technical papers. The following criteria will be applied in the selection of designs:

- (1) Reliability of design and implementation, (2) Quality of implementation, (3) Performance of the design,
- (4) Novelty of application, algorithm, architecture, (5) Others.

Interesting or excellent designs selected will be presented at a special session of the conference.

Presentation:

An author of each selected design will be required to make a short presentation at a special session of ASP-DAC 2012. A digest of each design to be presented will be included in the conference proceedings.

Contact Email: aspdac2012udc@gmail.com

ASP-DAC 2012 Chairs

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| General Chair: | Sri Parameswaran (Univ. of New South Wales) |
| Technical Program Chair: | Yao-Wen Chang (National Taiwan Univ.) |
| Design Contest Chair: | Braden Phillips (the University of Adelaide) |