



University  
of Victoria



# 21<sup>st</sup> International Workshop on Post-Binary ULSI Systems

May 13, 2012, Victoria, British Columbia, Canada

## Call for Papers

The 21<sup>st</sup> International Workshop on Post-Binary ULSI Systems (ULSIWS) will be held in conjunction with ISMVL 2012 on May 13, 2012 in Victoria, British Columbia, Canada. You are invited to submit an original paper, survey or tutorial paper on any subject in the area of **new devices for ULSI systems**, **high-performance circuits and design**, and **new LSI architectures**. The topics of interest include but not limited to:

- Algebra and Formal Aspects
- ATPG and SAT
- Automatic Reasoning
- Bio-Inspired and Novel Hardware Algorithms
- Communication Systems
- Computer Arithmetic
- Computer Security
- Data Bases
- Data Mining
- Fuzzy Logic and Soft Computing
- Image Processing
- Logic Design and Switching Theory
- Logic Programming
- Machine Learning and Robotics
- Mathematical Fuzzy Logic
- Nano Device and Technology
- Opto-Electronics
- Philosophical Aspects
- Quantum Computing
- Quantum Cryptography
- Quantum Devices
- Signal Processing
- Single Electrons
- Spectral Techniques
- Superconductivity
- Web Intelligence
- Verification

Proposals for special sessions concerning the above topics are also welcome. Special session proposal should be submitted to the General Chair *Naofumi HOMMA* by **February 17, 2012**.

Authors should submit **one-page abstract in PDF file format** by **February 17, 2012** via **email to [homma@aoki.ecei.tohoku.ac.jp](mailto:homma@aoki.ecei.tohoku.ac.jp)** (see [http://www.lcs.info.hiroshima-cu.ac.jp/~s\\_naga/ULSI2012/](http://www.lcs.info.hiroshima-cu.ac.jp/~s_naga/ULSI2012/) for details).

### Important Dates

#### Special Session Proposal

Proposal of Special Session: ~~January 13, 2012~~  
**February 17, 2012 (extended!)**

Notification of Special Session: ~~January 23, 2012~~  
February 27, 2012

#### Paper Submission

Submission of Abstract: ~~February 10, 2012~~  
**February 17, 2012 (extended!)**

Notification of Paper Acceptance: February 27, 2012

Submission of Final Papers: March 30, 2012

#### Workshop:

May 13, 2012

#### General Co-Chair:

**Dr. Naofumi Homma**

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#### General Co-Chair:

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