



# 22<sup>nd</sup> International Workshop on Post-Binary ULSI Systems

May 21, 2013, Toyama, Japan

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## Call for Papers

The 22<sup>nd</sup> International Workshop on Post-Binary ULSI Systems (ULSIWS) will be held in conjunction with ISMVL 2013 on May 21, 2013 in Toyama, Japan. 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
- Medical and Wellness Care Technology
- 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 **January 11, 2013**.

The workshop has regular sessions as well as a **Student Poster Session** for students to present their research work in progress.

Authors for regular and student poster sessions should submit **one-page abstract in PDF file format** by **February 22, 2013** 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/ULSI2013/](http://www.lcs.info.hiroshima-cu.ac.jp/~s_naga/ULSI2013/) for details).

### Important Dates

#### Special Session Proposal

Proposal of Special Session: January 11, 2013  
Notification of Special Session: January 21, 2013

#### Paper Submission for Regular and Student Poster Sessions

Submission of Abstract: ~~February 8, 2013~~ **February 22, 2013**  
Notification of Paper Acceptance: February 25, 2013  
Submission of Final Papers: March 29, 2013

**Workshop:** May 21, 2013

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#### General Co-Chair:

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