NII Shonan 2012 Configurable Computing Workshop

PROGRAM

Place and Dates:

NII Shonan 2012 Configurable Computing Workshop is held from 11 Nov, 2012 to 15 Nov, 2012, in the Shonan Village Center.

The Shonan Village Center:
    1560-39, Kamiyamaguchi Hayama miura-gun, Kanagawa,
    240-0198, JAPAN

Program Objectives:

This program has been designed with the fundamental assumption that each of the participants are leaders in their respected area. This workshop is designed to go beyond technology disclosure and transfer -- it is designed to be a means of community self-reflection. General objectives are as follows:
- The intent is not to fill every minute. Ample time is allotted for the participants to mingle and to discuss their research ideas.
- There will be non-conventional activities thrown into the activities. Perhaps something technical, or   perhaps not.
- The overall intent is to foster different interactions than found at typical academic venues.
- The attendees can be broadly categorized into three groups: academics, industry leaders, and investors. The program has been designed to clearly allow each of these groups to envision configurable computing in other perspectives.

Also, unlike other workshops, an attempt will be made to produce a product by the conclusion of the meeting: we would like to construct a short position paper, authored by all participants, for possible publication in a leading journal or periodical.

PREPARATION:

Each attendee shall be expected to prepare in advance:
- **A five-minute introduction of themselves (PowerPoint is optional).** Along with research interests, the introduction should also include something about the attendee, e.g., hobbies or other interests that they might have. **A five-minute position statement presentation on one of the following (PowerPoint is optional).** The organizers will use the position statements to organize panel discussions that will be held on Tuesday afternoon. Please limit the position statement to 5 minutes. Please send your position statements to hutch@ee.byu.edu prior to arriving at the conference.
    - (COMMUNITY) Where do we want to be? What is holding us back from where we want to be? What important problems are being overlooked or are not receiving sufficient attention by academia or industry?
    - (TECHNOLOGY) Are we in an architectural rut? Do we need fundamentally new architectures? What might new architectures improve or achieve? What is the best way for universities to ffectively participate in programmable architecture/device research?
    - (MARKETPLACE?) Are we making any progress with regard to design productivity? Are we gaining or falling behind? Where have we made notable progress? Where have we

largely failed? What research areas (related to design productivity) deserve increased focus?

- (TECHNOLOGY) Are hard CPUs the answer? Do they provide enough advantages to overcome their fixed functionality? Do you think that the programmable devices of the future (e.g., 10 years) will contain hard CPUs? If so, why, if not, why not?
- (MARKETPLACE) Has the breadth of useful/practical FPGA applications broadened or narrowed. Explain.
- (COMMUNITY) Can universities work effectively with industry? Give examples of failures or success and explain how to measure success or failure. What kinds of changes could better facilitate academic-industry partnerships?

Beyond this, attendees will create other various presentations as a result of group activities throughout the workshop.

SCHEDULE:

DAY	TIME	ACTIVITY
Nov 11 (Sunday)	3:00-6:00PM	Check-in
	7:00 PM	Evening Reception
Nov 12 (Monday)	7:30-9:00AM	Breakfast
	9:00-9:10AM	Opening
	9:10-10:15AM	Introductions - Round 1 (5 mins each)
	10:15-10:30AM	--- BREAK ---
	10:30-12:00noon	Introductions - Round 2 (5 mins each)
	12:00-1:30PM	--- LUNCH ---
	1:30-3:00PM	Dynamic Panel 1
	3:00-3:30PM	--- BREAK ---
	3:30-5:00PM	Dynamic Panel 2
	6:00-7:30PM	Dinner
Nov 13 (Tuesday)	7:30-9:00AM	Breakfast
	9:00-10:15AM	Group Break-Out #1
	10:15-10:30AM	--- BREAK ---

	10:30-12:00noon	Break-Out Reports #1
	12:00-1:30PM	--- LUNCH ---
	1:30-3:00PM	Group Break-Out #2
	3:00-3:30AM	--- BREAK ---
	3:30-5:00PM	Break-Out Reports #2
	6:00-7:30PM	Dinner
Nov 14 (Wednesday)	7:30-9:00AM	Breakfast
	9:00-10:15AM	Group Panels
	10:15-10:30AM	--- BREAK ---
	10:30-12:00noon	Concluding Reports
	12:00-1:30PM	--- LUNCH ---
	1:30-7:00PM	Kamakura Excursion
	7:00-8:30PM	Banquet
Nov 15 (Thursday)	7:30-9:00AM	Breakfast
	9:00-10:00AM	Wrap up and closing