Rebooting Computing Summit 2 (RCS2)

14-16 May, 2014 – The Chaminade, Santa Cruz, CA

AGENDA (as of May 13, 2014)

<u>Wednesday May 14</u>

12:00 – 1:30 PM -- **Sunset Restaurant** -- Buffet Lunch for Early Arrivals.-

2:00 – 2:30PM -- **New Brighton Room** -- Welcome remarks, review of RCS 1, and introduction to RCS 2 agenda, goals, and expected outcomes – Elie Track and Tom Conte

2:30 – 3:30 PM -- **New Brighton Room** -- Group discussion to re-state and adjust goals and expected outcomes of RCS2. Facilitator: Scott Holmes. Scribe: Alan Kadin .

3:30 – 4:00 PM Break

4:00 – 4:45 PM -- **New Brighton Room** -- Introduction to Augmentation of CMOS –Andrew Kahng

4:45 – 5:30 PM – **New Brighton Room** -- Introduction to Neuromorphic Computing – Todd Hylton

5:30 – 6:00 PM—**New Brighton Room** -- IEEE Competition for High Efficiency Micro-CPU – Yung-Hsiang Lu

6:00 – 6:30 PM – **Sunset Patio** -- Pre-dinner reception

6:30 – 8:00 PM – **Sunset Restaurant** -- Dinner

8:00 – 9:30 PM – **New Brighton Room** -- Poster Presentations by attendees

<u>Thursday May 15</u>

7:00 – 8:30 AM -- **Sunset Restaurant** -- Breakfast–

8:30 – 8:45 AM – **Santa Cruz Room** -- Introduction and re-cap of Wednesday Track/Conte/Holmes/Kadin

8:45 – 9:30 AM – **Santa Cruz Room** -- Introduction to Adiabatic and Reversible Computing – David Frank

9:30 – 10:15 AM – **Santa Cruz Room** -- Introduction to Approximate Computing – Hadi Esmaeilzadeh

10:15 – 1 0:45 AM Break

10:45 – 11:15 AM – **Santa Cruz Room** -- Introduction and Considerations for XPRIZE – Mark Stalzer

11:15 AM – 12:00 PM Division into groups

(3 breakout rooms – Santa Cruz, New Brighton and Rio Del Mar)

Group Facilitators:

 Augmentation of CMOS – Subu Iyer

Neuromorphic Computing – David Mountain

Approximate Computing – Hadi Esmaeilzadeh

Adiabatic/Reversible Computing – Erik DeBenedictis

12:00 – 1:00 PM – **Sunset Restaurant** -- Lunch

1:00 – 3:00 PM Breakout sessions – group meetings (See above)

3:00 – 3:30 PM Break

3:30 – 4:00 PM – **Santa Cruz Room** -- Plenary gathering – check progress, compare notes – Facilitator: Scott Holmes

4:00 – 5:30 PM Breakout sessions – group meetings continued (See above)

6:00 – 6:30 PM – **Courtyard Terrace** -- Reception

6:30 – 8:30 PM – **Sunset Restaurant** -- Dinner all meeting rooms listed above are available after dinner for additional discussions.

 Friday May 16

7:00 – 8:30 AM – **Sunset Restaurant** -- Breakfast

8:30 -9:00 AM – **Santa Cruz Room** -- Outbrief Neuromorphic Computing – David Mountain+

9:00 – 9:30 AM – **Santa Cruz Room** -- Outbrief Approximate Computing – Hadi Esmaeilzadeh+

9:30 – 10:00 AM – **Santa Cruz Room** -- Outbrief Adiabatic/Reversible Computing – Erik DeBenedictis+

10:00 – 10:30 AM Break

10:30 – 11:00 AM -- **Santa Cruz Room** -- Outbrief Augmentation of CMOS – Subu Iyer+

11:00 AM – 12:00 PM – **Santa Cruz Room** -- Plenary Discussion – Conclusions – Future Plans. Facilitator: Scott Holmes

12:00 Noon Box Lunch and Adjourn -- Lunch will be served in **Sunset Restaurant**, to-go boxes will be provided for those who would like their food to take out