



DRAFT MEETING PROGRAM DRAFT

(June 30, 2009)

Vail Cascade Resort

1300 Westhaven Drive, Vail, Colorado 81657 USA

August 12-13, 2009

Theme: Semi-Annual Meeting

Location: Creekside Room

Day 1: Wednesday, August 12, 2009

Noon Registration and lunch

12:30 Opening Remarks:

- Introduction of new attendees and prospective members
- SiSoC status update: memberships, NSF, DOE involvement, etc.
- 2009-2010 Budget
- Projects status summary
- IAB chairman
- Winter 2010 meeting: February at Georgia Tech

12:50 NSF-I/UCRC center Evaluator - Denis Gray – NC State University
“NSF-I/UCRC update”, “LIFE Form” concept, evaluation results from last meeting, data collection for this meeting

13:00 Shreyes Melkote/Steven Danyluk – Georgia Institute of Technology
Progress report for project 2008-GIT-1
“Analysis of the Stress State in Thin Silicon Wafers due to Handling”

13:30 Michael Stavola – Lehigh University
Stefan Estreicher – Texas Tech University
Progress report for project 2007-TT-LU
“Microscopic Studies of Recombination Centers, Passivation, and Hydrogenation”

14:00 Manav Sheoran/Ajeet Rohatgi – Georgia Institute of Technology
Progress report for project 2007-GIT
“Gettering and Passivation of Defects in Low-Cost c-Si Materials”

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- 14:30 Prashant Kulshreshtha/Khaled Youssef/George Rozgonyi** – NC State University
Progress report for project 2007-NCSU-1
“Mechanical Properties of Mono- and Multi-crystalline Silicon: Correlation with Impurities and Defects”
- 15:00 Coffee break**
- 15:20** Presentations by Industrial companies considering joining SiSoC:
Renhua Zhang, Calisolar (not confirmed)
Olli Anttila, Silfex, a division of Lam Research Corporation
xxxxx, Suniva (not confirmed)
xxxxx, Heraeus (not confirmed)
- 15:50** Open discussions on dynamics of soliciting new members. For ex:
Anaxtal Silicon, Crystal Solar, Sierra Solar, ...
- 16:00 Breakout Session I** (List of suggested items provided on separate page)
IAB Members remain in Creekside Room
PI’s meet in common area
- 17:00 Adjourn for the day**
- 18:30 Social Wine Reception and Dinner**

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Day 2: Thursday, August 13, 2008

- 7:15 Breakfast**
- 8:00** Invited speaker: **Ethan Good** – SolarWorld (not confirmed)
“SolarWorld and SiSoC expectations”
- 8:30** **Yongkook Park/George Rozgonyi** – NC State University
Progress report for project 2007-NCSU-2
“Impurity Capture/Release/Passivation at a “Model/Ideal” Structural Interface in Single and Multi-crystalline Silicon”
- 9:00** **Khaled Youssef/Prashant Kulshreshtha/George Rozgonyi** – NC State University
Progress report for project 2008-NCSU-1
“Influence of Local Residual Stresses on Mechanical Properties and Crack Initiation/Propagation of Silicon PV Wafers”
- 9:30** **Manav Sheoran/Abasifreke Ebong/Ajeet Rohatgi** – Georgia Institute of Technology
Progress report for project 2008-GIT-3
Fundamental understanding of a boron emitter and back surface field
- 10:00 Coffee break**
- 10:15** Open discussion on topics for university proposals
IAB Input opportunity
- 10:45** **Ian Witting/Jayesh Bharathan/Jinggang Lu/George Rozgonyi** – NC State University
Progress report for project 2008-NCSU-2
“Impact of Light Element Impurities (O, C, N) on the Structure and Electrical Behavior of Photovoltaic Crystalline Silicon”
- 11:15** **Breakout Session II** (List of suggested items provided on separate page)
IAB Members remain in Creekside Room
PI’s meet in common area
- 12:15 Lunch**

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Day 2: Thursday, August 13, 2008 (continuation)

- 13:00** Government Support Panel:
“Update on agency objectives and plans for new funding of crystalline silicone PV research.”
xxxxx, NSF
Martha Symko-Davis/Larry Kazmerski, NREL
Scott Stephens, DOE/SAI/Crystalline Silicon
Moderator: **Ajeet Rohatgi**, Georgia Tech
- 14:00** **Breakout Session III**
Finalize IAB feed back to NSF (LIFE forms), and resolve outstanding issues as needed.
IAB Members remain in Creekside Room
PI’s meet in common area
- 15:00** **Ethan Good – IAB feedback to SiSoC PIs**
- Results of breakout sessions and IAB recommendations
 - Comments/suggestions re. ongoing projects
 - Open discussion as needed
- 16:00** **Adjourn**