



ARPA-E Workshop

Solar Beyond Grid Parity

Spectrum-Efficient Solar Energy for Dispatchable Electricity or Fuels

Boulder Marriott
2660 Canyon Boulevard
Boulder, CO 80302

AGENDA

Please note that the attire is casual.

Wednesday, April 10

**No-host Reception
6:00-7:30 PM**

*JW's Restaurant & Lounge Bar
Boulder Marriott*

Thursday, April 11

*One-on-one Meetings with Howard Branz (by appointment)
8:00 – 9:40 AM, Caribou Room (4th floor)*

~ All presentations and report backs are located in the Montrachet ballroom ~

9:30 AM - 10 :00 AM	Registration	
10:00 AM – 10:10 AM	Welcome and Opening Remarks	Eric Rohlfling ARPA-E
10:10 AM – 10:50 AM	Workshop Background and Objectives	Howard Branz ARPA-E
10:50 AM – 11:10 AM	High Temperature PV at Concentration	Jeffery Grey Purdue University

11:10 AM – 11:30 AM

Coffee Break

11:30 AM – 11:50 AM

Concentrating Solar Power Today and BeyondLuke Erickson
Abengoa Solar

11:50 AM – 12:15 PM

Concentrating & Splitting Optics ToolkitEli Yablonovitch
UC Berkeley

12:15 PM – 12:35 PM

High Temperature Electrochemistry ToolkitSossina Haile
Caltech

12:35 PM – 12:40 PM

Introduction to Technology Opportunities BreakoutHoward Branz
ARPA-E

12:40 PM – 1:20 PM

Lunch

1:20 PM – 2:30 PM

TECHNOLOGY OPPORTUNITIES BREAKOUT

	<u>Room</u>	<u>Facilitator</u>
Complete Spectrum	<i>Bugaboo A (3rd floor)</i>	Eric Rohlfing
High Temperature PV	<i>Bugaboo B (3rd floor)</i>	Tim Heidel
System Engineering	<i>Caribou (4th floor)</i>	Jonathan Burbaum
Dispatchability/Portability	<i>Montrachet</i>	Ping Liu

2:30 PM – 3 :00 PM

Coffee Break

3:00 PM – 3:40 PM

Report Back from Breakout Groups

3:40 PM – 3:45 PM

Introduction to Design Group Breakout IHoward Branz
ARPA-E

3:45 PM – 5:30 PM

DESIGN GROUP BREAKOUT I

	<u>Facilitator</u>
Group 1 – <i>Bugaboo A (3rd floor)</i>	Ping Liu
Group 2 – <i>Bugaboo B (3rd floor)</i>	Tim Heidel
Group 3 – <i>Caribou (4th floor)</i>	Eric Rohlfing
Group 4 – <i>Montrachet</i>	Jonathan Burbaum

5:30 PM – 6:00 PM

Brief Design Group Report Back and Discussion

6:00 PM – 7:15 PM

Appetizer & Cash Bar Social Hour
Montrachet Foyer

Friday, April 12

7:30 AM – 8:00 AM

Continental Breakfast

8:00 AM – 8:10 AM

**Design Group Breakout II
Introduction**

8:10 AM – 9:00 AM

**DESIGN GROUP BREAKOUT II
(same groups as yesterday)**

Group 1 – Bugaboo A (3rd floor)

Group 2 – Bugaboo B (3rd floor)

Group 3 – Caribou (4th floor)

Group 4 – Montrachet

Facilitator

Ping Liu

Tim Heidel

Eric Rohlfsing

Jonathan Burbaum

9:00 AM – 10:00 AM

Design Group II Report Back and Discussion

10:00 AM – 10:30 AM

Coffee Break

10:30 AM – 11:15 AM

TECHNOLOGY METRICS BREAKOUT

Group 1 – Bugaboo A (3rd floor)

Group 2 – Bugaboo B (3rd floor)

Group 3 – Caribou (4th floor)

Group 4 – Montrachet

Facilitator

Ping Liu

Tim Heidel

Eric Rohlfsing

Jonathan Burbaum

11:15 AM – 11:45 AM

Technology Metrics Breakout Report Back

11:45 AM – 12:00 PM

Workshop Wrap-up

Howard Branz

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*One-on-one Meetings with Howard Branz (by appointment)
12:30-4:00 PM, Caribou Room (4th floor)*

