**Quantum Energy and Sustainable Solar Technologies (QESST) Engineering Research Center**

**NSF/DOE Year 7 Site Visit**

**Agenda**

**May 7-9, 2018**

**Monday, May 7th:**

**Location: Marston Space Theater, ISTB 4, ASU Tempe campus, 781 S. Terrace Rd. Tempe, AZ 85281**

**10:30-10:50 Arrival, Check-In, and Coffee**

*Location: ISTB 4 lobby*

**10:50-12:10 Technical Research Talks: Contacts**

*Location: Marston Space Theater*

(10:50-11:10) **TBD title,** TBD speaker

(11:10-11:30)  **TBD title,** TBD speaker

(11:30-11:50)  **TBD title,** TBD speaker

**11:50-12:30 Plenary Talk by** TBD speaker

*Location: Marston Space Theater*

**12:40-1:40 Lunch and Demo Tables from QESST Start-Up Companies**

*Location: University Club patio*

**Company name,** TBD presenter

**Company name,** TBD presenter

**Company name,** TBD presenter

**1:50-3:10 Technical Research Talks: Absorbers**

*Location: Marston Space Theater*

(1:50-2:10) **TBD title,** TBD speaker

(2:10-2:30) **TBD title,** TBD speaker

(2:30-2:50)  **TBD title,** TBD speaker

(2:50-3:10)  **TBD title,** TBD speaker

**3:20-3:40 Coffee Break**

*Location: ISTB 4 lobby*

**3:40-4:10 Plenary Talk by** TBD speaker

*Location: Marston Space Theater*

**4:10-5:10 Technical Research Talks: Solar Cells**

*Location: Marston Space Theater*

(4:10-4:30) **TBD title,** TBD speaker

(4:30-4:50) **TBD title,** TBD speaker

(4:50-5:10)  **TBD title,** TBD speaker

**5:10-7:00 Dinner on Your Own**

*Location: Mill Avenue, Tempe*

**7:00-9:00 PV Pub Quiz**

*Location: Pedal Haus or Handlebar?*

**6:30-9:30 Site Visit Team Working Dinner and Discussion**

*Location: Mission Palm Hotel and Conference Center*

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**May 7-9, 2018**

**Tuesday, May 8rd – Day 1**

**Location: Macro Technology Works Building, ASU Research Park, 7700 S. River Parkway, Tempe**

***6:45 Transport Site Visit Team from Mission Palms Hotel and Conference Center to MTW***

**7:00-7:45 Breakfast**

*Location:**1st Floor Lunchroom and Hallway*

**7:45-7:50 Welcome, TBD**

*Location: WP Carey Classroom*

**7:50-7:55 Introductions,** Chris Honsberg, ASU

*Location: WP Carey Classroom*

**7:55-8:15 QESST Overview,** Chris Honsberg, ASU

*Location: WP Carey Classroom*

**8:15:8:45 Research State-of-the-Art and QESST Progress**

*Location:**WP Carey Classroom*

(8:15-8:30)Harry Atwater

(8:30-8:45)Richard King

**8:45-9:45 Research Program Reports by Thrust**

*Location:**WP Carey Classroom*

(8:45-9:05) **Thrust 1: TW Scale Silicon Photovoltaics,** Bob Opila, UD

(9:05-9:25) **Thrust 2: Tandem Integration with Silicon Technologies,** Zachary Holman, ASU

(9:25-9:45) **Thrust 3: Fundamentals for High Efficiency PV,** Stephen Goodnick, ASU

**9:45-10:00 Break**

*Location:**1st Floor Lunchroom and Courtyard*

**10:00-11:00 Testbed Reports**

*Location:**WP Carey Classroom*

(10:00-10:20) **Testbed 1: Student-Led Pilot Line,** Stuart Bowden, ASU

(10:20-10:40) **Testbed 2: Next Generation Modules,** Mariana Bertoni, ASU

(10:40-11:00) **Testbed 3: Identifying Barriers to TW Scale PV,** Chris Honsberg, ASU

**11:00-11:45 Integrative Theme Reports**

*Location:**WP Carey Classroom*

(11:00-11:20) **Sustainability,** Clark Miller, ASU

(11:20-11:25) **Infrastructure,** Stephen Goodnick, ASU

(11:25-11:45 **Transition Plan,** Stephen Goodnick, ASU

**11:45-12:30 Closed Session: Site Visit Team Executive Session #1**

*Location:**Cassiopeia Conference Room, 2nd floor*

**Quantum Energy and Sustainable Solar Technologies (QESST) Engineering Research Center**

**NSF/DOE Year 7 Site Visit**

**Agenda**

**May 7-9, 2018**

**Tuesday, May 8th – Day 1 (continued)**

**Location: Macro Technology Works Building, ASU Research Park, 7700 S. River Parkway, Tempe**

**11:45-12:30 Industrial Advisory Board and Science Advisory Board Meeting**

*Location: Libra Conference Room (SPL Office), 2nd floor*

**12:30-2:00 Poster Session, Lunch, and Lab Tour**

*Lunch: 1st Floor Lunchroom and Patio*

*Poster Session: 1st Floor Hallway and 2nd Floor Hallway*

*Lab Tour: meet at 2nd Floor entrance to clean room*

**2:00-2:20 Industrial Membership Program and Innovation Model,** John Mitchell, ASU

*Location: WP Carey Classroom*

**2:20-2:50 Closed Session: Industry Advisory Board, Science Advisory Board and Site Visit Team**

*Location:**WP Carey Classroom*

**2:50-3:15 Break**

*Location:**1st Floor Lunchroom and Courtyard*

**3:15-4:30 Education Program**

*Location:**WP Carey Classroom 1st Floor*

(3:15-3:45) **Education Program Overview and University Education,** Michelle Jordan, ASU

(3:45-4:00) **Pre-College Education**, Tiffany Rowlands, ASU

(4:00-4:15) **Diversity,** Delia Saenz, ASU

(4:15-4:30) **Student Leadership Council,** Alex Killam, ASU

**4:30-5:00 Closed Session: Student Leadership Team and Site Visit Team**

*Location:**WP Carey Classroom*

**5:00-6:00 Closed Session: Site Visit Team Executive Session #2**

*Location: Cassiopeia Conference Room, 2nd floor*

**6:00-6:15 Site Visit Team Presents Questions to QESST Leadership**

*Location: WP Carey Classroom*

**6:15-10:30 Closed Session: Site Visit Team Working Dinner and Discussion**

*Location: Cassiopeia Conference Room, 2nd floor*

**6:15- Working Dinner for QESST Leadership/Faculty, Prepare Response to Site Visit Team**

*Location: Courtyard, WP Carey Classroom*

***10:30 pm Transport Site Visit Team from MTW to Mission Palms Hotel and Conference Center***

**Quantum Energy and Sustainable Solar Technologies (QESST) Engineering Research Center**

**NSF/DOE Year 7 Site Visit**

**Agenda**

**May 7-9, 2018**

**Wednesday, May 9th – Day 2**

**Location: ASU Campus, Tempe**

***7:15 Transport Site Visit Team from Mission Palms Hotel and Conference Center to University Club***

**7:30-8:30 Closed Session: Site Visit Team Breakfast with University Administrators**

*Location: University Club; 2nd Floor*

**8:30-9:30 Closed Session: Responses to Site Visit Team Questions by QESST Leadership**

*Location: University Club; 2nd Floor*

**10:00-4:00 Breakout Sessions**

**NSF/DOE Site Visit Team Executive Session**

*(ERC 189 - QESST Conference Room, Engineering Research Center)*

**10:00-10:15 Coffee Break in ERC 189**

**10:00-4:00 NSF/DOE Site Visit Team Report Writing**

**12:00 Working Lunch**(separate lunch in ERC 189)

**QESST Faculty Year 8 Planning Session**

*(ECG 111. CSSER Conference Room, Engineering Research Center)*

**10:00-12:00 Year 6 Research Priorities**

**12:00 Lunch** (in ERC 106)

**Student Leadership Council Year 8 Planning Session**

*(ERC 106 – Graduate Synthesis Workroom, Engineering Research Center)*

**10:00-12:00 Year 6 Elections**

**12:00 Lunch** (in ERC 106)

***Taxicabs or hotel transportation available beginning at 4pm and will pick up at ASU Bookstore***