The past two years the U.S. solar PV market has been climbing from record to record. In 2015, just approx. 7.3 GW were installed (66% increase YoY!), in 2016 the United States further strengthened its position in the global market ranking defined by annual deployment volume and moved up to the 2nd spot with a staggering 14.8 GW installed, thus achieving approx. 80% increase YoY. Only China, which installed 34 GW in 2016, managed to stay ahead of the U.S. market last year. By the end of 2016, the U.S. was home to approximately 42 GW of total installed capacity, sufficient to power 6 million American homes. Current estimates suggest the cumulative solar PV installations in the U.S. will reach 97 GW by 2020. Worldwide, it is expected the cumulative installations will hit the Terawatt scale well before 2030, driven by a doubled world market of 100–120 GW annual installations after 2020. So, in the next five years a doubling of the total global PV production capacity can be expected. In light of such a strong market momentum – and thanks to the extended ITC till 2021 – how will the U.S. market grow in the coming years, how about the commercial and industrial segment, will the U.S. witness more the establishment of more local module and cell manufacturing capacities, thus creating more local jobs, and will there be new innovative, creative forms of investment vehicles dominating the financial landscape? How about the new administration in Washington, when will they recognize the great economic opportunities of this disruptive process? Will existing policies remain unchanged or even amended to the advantage of solar PV, or will possibly other sources of power generation be favoured, so that solar PV consequently may fall behind in the U.S.? Discussions of possible answers to these and more questions will be provided by 210+ internationally renowned speakers presenting at Intersolar 2017, who have their fingers on the pulse of the global solar industry today. As the first major U.S. solar event this year – the Intersolar North America Conference and Exhibition provides attendees an unprecedented head-start opportunity allowing to gain unparalleled insights into the latest trends shaping this competitive, dynamic and exciting marketplace.

WHAT WILL THE SOLAR FUTURE BE?

TOPICS AT A GLANCE

Panels
- North America Market
- The Future of PV – Executive Panel

Markets & Finance
- North America
- South & Central America
- Asset Management Summit
- Finance Symposium
- Net Metering
- Tech Giants in Frontier Markets
- Consumer Protection
- Community Solar
- Panels for Pot: Powering Greenhouses

Technologies
- PV Cells
- PV Manufacturing
- PV Power Plants
- PV Plants Design and Monitoring

Smart Renewable Energy
- Buildings/Energy Management
- Renewable Cities Initiatives
- Transformation to a 100% Renewable Energy Future
- Grid Saturation — Local Capacity Analysis
- Digitalization/Energy Clouds/Big Data
CONFERENCE PARTNER STATEMENTS 2017

California Solar Energy Industries Association (CALSEIA), U.S.

Bernadette Del Chiaro
Executive Director
California Solar Energy Industries Association (CALSEIA), U.S.

CALSEIA has been advancing the interests of the California solar industry for 40 years and our efforts have been greatly supported by Intersolar North America for a quarter of that time. Solar's future is now paired with storage and there’s no better place for these two sectors to come together than Intersolar North America.

SPEAKER STATEMENTS 2017

Finance Symposium and Asset Management Summit

The 2017 Intersolar Finance Symposium and Asset Management Summit will take a deep look at a distributed energy resource market that has become mainstream. We will discuss how information technology, data communication, and automation are defining how solar assets are financed and managed at global scale.

Tom Tansy
Chairman
SunSpec Alliance, U.S.

IREC Insight Sessions: Fact-Based Perspectives on Paths to Solar’s Next Success Stories

IREC’s national thought leaders offer uniquely independent insight from their work in nearly every state. Hear about innovative state and local best practices and projects, a new IREC Scorecard that rates states on shared renewables initiatives, and important updates on solar codes and safety.

Larry Sherwood
Vice President and CEO
Interstate Renewable Energy Council (IREC), U.S.

PV Plants Design & Monitoring – The Impact of Drones & Robots

In order to minimize costs and DC unavailability, new approaches to PV system O&M are necessary. Aerial inspections capturing infrared and visible imagery approach fault detection from an entirely new vantage point – namely, from the air. Several advantages to using manned aircraft rather than drones to achieve a high quality, low cost, scalable solution will be discussed.

Dr. Rob Andrews
Chief Executive Officer
Heliolytics Inc., Canada

PV Plants: System Configuration

When considering technology assets for utility-scale solar, developers and owners should choose solar trackers based on low cost of ownership and reliable performance benefits. Gain vital insights regarding tracker evaluation for PV power plants.

Bob Bellemare
Chief Executive Officer
Array Technologies, Inc., U.S.

PV Cells: Which Cell Concepts will Secure the Future?

PV generated energy remains the best hope for mitigating climate change. Despite dramatic cost reductions and impressive efficiency gains in crystalline silicon PV, the silicon perovskite tandem solar cell that Oxford PV is developing is the most realizable path to breaking the practical 27% efficiency barrier.

Christopher Case
Chief Technology Officer
Heliolytics Inc., Canada

Smart Renewable Energy Building/Energy Management

With more distributed energy resources coming onto the grid, utilities are increasingly looking to implement Time of Use plans to better reflect the cost of electricity. Greene will discuss how connected thermostats work with solar systems, help customers navigate variable electricity rates and find the sweet spot where comfort, solar generation and optimal savings overlap.

William Greene
Product Manager
Energy Services Company
Nest Labs, U.S.

DELEGATES
1,500+

SPEAKERS
210+
| CONFERENCE COMMITTEE 2017 |

**Conference Committee Chairman**
Prof. Dr. Eicke R. Weber, Director, BEARS Program, UC Berkeley und National University Singapore

**Conference Committee – Advisory Board**

**Conference Committee – Industry Board**
Dirk Habermann, Chief Innovation Officer, Meyer Burger | James Spano, Managing Partner, Spano Partners Holding, LLC, a founding member of the Resilient Solar Alliance | Dr. Richard Swanson, Founder, SunPower | Claudia Wentworth, CEO and Co-Founder, Quick Mount PV

**Conference | Workshop Partners**

**Conference Sponsors**

**Program Advisors**

**Register Now!**

→ www.intersolar.us → Registration
Global PV Markets: The Emergence of Central American Markets

PV Cells: Which Cell Concepts will Secure the Future?

Intersolar Finance Symposium I

Net Metering and the Potential Future Alternatives

Tech Giants in Frontier Markets

The Next Frontier: Pioneering Local Resiliency with Solar+Storage

Intersolar Finance Symposium II

Consumer Protection — Avoiding Backlash from our #1 Resource

The Establishment and the Disruptors


Intersolar Finance Symposium III

Bridging the Storage Gap: Making Energy Storage Cost-Effective for Customers

Solsmart: Steps Toward Community Solar Designation

Global PV Markets: Growth Stage Markets Across Latin America (e.g. Mexico/Chile/Brazil/Argentina)

Intersolar Finance Symposium IV

The State of the States: National Shared Renewables Scorecard and Other Tools You Can Use

PV Manufacturing: Pushing the Efficiency and Costs to New Levels

SRE: Transformation to a 100% Renewable Energy Future

The Future of PV – Executive Panel

SRE: Buildings/ Energy Management

Grid Saturation – Improving Local Capacity Analysis to Host More Solar

SRE: Digitalization/ Energy Clouds/Big Data

PV Plants: System Configuration

The State of the States: National Shared Renewables Scorecard and Other Tools You Can Use

PV Plants Design & Monitoring — The Impact of Drones & Robots

SRE: Transformation to a 100% Renewable Energy Future

Summerfest (AT&T Park)

Markets Finance Photovoltaic Technology Smart Renewable Energy

Subject to change

PRICING INTERSOLAR NORTH AMERICA

<table>
<thead>
<tr>
<th>Conference Packages</th>
<th>Early Bird March 15–May 12</th>
<th>Regular May 13–July 7</th>
<th>On-site July 8–13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Conference Package</td>
<td>$950</td>
<td>$1,060</td>
<td>$1,095</td>
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<tr>
<td>Conference Day Ticket</td>
<td>$475</td>
<td>$550</td>
<td>$575</td>
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<tr>
<td>Exhibition Ticket</td>
<td>$75</td>
<td>$130</td>
<td>$200</td>
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</table>

Summerfest $150

Exhibition Dates: July 11–13, 2017

FREE ADMISSION TO EXPO HALLS

Round off your conference experience with a visit to the exhibitions next door! Your conference or workshop registration grants you full access to Intersolar and ees North America (Moscone West Hall), as well as to the showfloors of co-located SEMICON West (North/West Halls). Engage with 18,000+ professionals and 550 solar and energy storage exhibitors.

Exhibition Dates: July 11–13, 2017
WORKSHOPS AT INTERCONTINENTAL HOTEL

Monday July 10, 2017
9:00am–5:00pm
National Electric Code PV
Field Applications of PV Operations and Maintenance

Tuesday July 11, 2017
9:00am–1:00pm
Designing PV Systems with Energy Storage
2:00pm–6:00pm
Megawatt-scale PV: Design Considerations and Installation Case Studies

Wednesday July 12, 2017
9:00am–1:00pm
The Post Net-Metered PV World: New Opportunities
Solar Codes and Safety Forum
Solar Heating & Cooling – Changing your Climate, not the Planet’s
2:00pm–6:00pm
PV Technical Sales: The Business and Finance of Residential Solar

Thursday July 13, 2017
9:00am–5:00pm
Spanish: Prácticas Recomendadas de Instalaciones de Sistemas FV Conectados a la Red

Subject to change

LEARN AND CONNECT WHILE HAVING FUN!

Sail, tour, network, party! Intersolar and San Francisco are totally connected – getting business done, fun, and meeting up with the best professionals in solar and energy storage. Get the exciting SF water side view from the Bay on our cat boat sailing tour hosted by our awesome friends at NorCal Solar… last year they invited whales! Tour Tesla’s fascinating factory tour, or sip the best wine country has to offer, plus savor their on-site microgrid. Get eery with the Alcatraz Island cruise and facility tour! Did we mention Summerfest at AT&T Park for Solar’s biggest-ever networking evening with 3,000 of your best friends? Join us in San Francisco and have fun this July!

Sunday
1:00pm  SF Bay Area Sailing Tour
Monday
11:45am  Alcatraz Tour
5:30pm  Opening Ceremony
7:00pm  Welcome Reception
Tuesday
9:30am  Tesla Fremont Factory Tour 1
11:30am  Tesla Fremont Factory Tour 2
1:30pm  Tesla Fremont Factory Tour 3
5:00pm  Summerfest (AT&T Park)
Wednesday
9:30am  Tesla Fremont Factory Tour 4
11:30am  Tesla Fremont Factory Tour 5
1:30pm  Tesla Fremont Factory Tour 6
Thursday
9:30am  Tesla Fremont Factory Tour 7
11:30am  Tesla Fremont Factory Tour 8
1:30pm  Tesla Fremont Factory Tour 9
Friday
9:00am  Solar Winery and Microgrid Tour

More information & pricing:
→ www.intersolar.us → Program → Special Events, Receptions & Tours
→ www.intersolar.us → Registration

Partners

WORKSHOP PRICING

<table>
<thead>
<tr>
<th>Workshop Tickets</th>
<th>Early Bird March 15–May 12</th>
<th>Regular May 13–July 7</th>
<th>On-site July 8–13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Day Workshop</td>
<td>$475</td>
<td>$550</td>
<td>$575</td>
</tr>
<tr>
<td>Half Day Workshop</td>
<td>$275</td>
<td>$315</td>
<td>$335</td>
</tr>
<tr>
<td>Solar Codes and Safety Forum</td>
<td>$100</td>
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<tr>
<td>Solar Heating &amp; Cooling – Changing your Climate, not the Planet’s 1</td>
<td>$175</td>
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<td>$195</td>
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<td>Combo Ticket: Solar Heating &amp; Cooling – Changing your Climate, not the Planet’s 2</td>
<td>$265</td>
<td>$280</td>
<td>$295</td>
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</tbody>
</table>

Your Workshop ticket includes catering (coffee breaks/lunches) and grants your full access to the expo halls.

1 Includes Exhibition Ticket
2 Includes Exhibition Ticket and Summerfest
### WORKSHOPS AT MOSCONE CENTER

**Tuesday July 11, 2017**

<table>
<thead>
<tr>
<th>Workshop Room I (9030)</th>
<th>Workshop Room II (3012)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00am–1:00pm</td>
<td>NAATBatt Workshop I</td>
</tr>
<tr>
<td>2:00pm–5:00pm</td>
<td>NAATBatt Workshop II</td>
</tr>
<tr>
<td>5:00pm</td>
<td>Summerfest (AT&amp;T Park)</td>
</tr>
<tr>
<td>2:00pm–5:00pm</td>
<td>CALSIEA’s Contractor Day</td>
</tr>
</tbody>
</table>

**Wednesday July 12, 2017**

<table>
<thead>
<tr>
<th>Track 1: Roof Top</th>
<th>Track 2: Energy Storage, Inverter &amp; Matchmaking Software</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15am–12:15pm</td>
<td>Quick Mount PV</td>
</tr>
<tr>
<td>12:45pm–2:45pm</td>
<td>Roof Tech Inc. <em>1 hour training</em></td>
</tr>
<tr>
<td>3:00pm–5:00pm</td>
<td>eGauge Systems</td>
</tr>
<tr>
<td>3:00pm–5:00pm</td>
<td>Magnum Energy/A Product Brand of Sensata Technologies</td>
</tr>
<tr>
<td></td>
<td>Trojan Battery Company</td>
</tr>
</tbody>
</table>

**Thursday July 13, 2017**

<table>
<thead>
<tr>
<th>Track 1: Roof Top</th>
<th>Track 2: Energy Storage, Inverter &amp; Matchmaking Software</th>
</tr>
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<tbody>
<tr>
<td>10:15am–12:15pm</td>
<td>SolarRoofHook</td>
</tr>
<tr>
<td>12:45pm–2:45pm</td>
<td>eGauge Systems</td>
</tr>
<tr>
<td>12:45pm–2:45pm</td>
<td>APsystems</td>
</tr>
<tr>
<td></td>
<td>Sofdesk Inc.</td>
</tr>
</tbody>
</table>

Any workshop registration grants you full access to the Expo Halls, Opening Ceremony and Welcome Reception at the InterContinental Hotel.

### WORKSHOP PRICING

<table>
<thead>
<tr>
<th>Workshop Packages</th>
<th>Price</th>
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<tbody>
<tr>
<td>Installation Workshop Package (by NABCEP)</td>
<td>$95</td>
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<tr>
<td>Installer Advantage Package</td>
<td>$375</td>
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</table>

<table>
<thead>
<tr>
<th>Single Workshop Tickets</th>
<th>Price</th>
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<tbody>
<tr>
<td>CALSIEA’s Contractor Day</td>
<td>$200</td>
</tr>
<tr>
<td>NAATBatt Workshop I</td>
<td>$100</td>
</tr>
<tr>
<td>NAATBatt Workshop II</td>
<td>$100</td>
</tr>
</tbody>
</table>

### NABCEP INSTALLATION WORKSHOPS

NABCEP, Intersolar and ees selected 8 exhibiting companies to offer in-depth technical training workshops and hands-on product workshops. Attendees will earn 2 NABCEP CEUs for each two-hour workshop and 1 NABCEP CEU for each one-hour workshop. These workshops keep you up to speed on the latest technologies and best practices for the design, installation, and maintenance of code-compliant PV and storage systems.

**Track 1: Roof Top**

- **Quick Mount PV**
  - Solar Roofing Best Practices & Intro to Rail-free Racking
- **Roof Tech Inc.**
  - Rail-less PV Mounting with Integrated Flashing in Asphalt Pitched Roofs with Roof Tech’s RT-[E] Mount
- **SolarRoofHook**
  - Making Solar More Affordable Through Innovation

**Track 2: Energy Storage, Inverter & Matchmaking Software**

- **eGauge Systems**
  - Discovering User Information from Energy Meter Data
- **Magnum Energy**
  - PV + Storage, Design Options
- **Trojan Battery Company**
  - Deep-Cycle Battery Technologies, Proper Maintenance and System Selection for Renewable Energy Applications
- **APsystems**
  - Microinverters in the Residential Environment — APsystems YC500 Dual Modular Solution
- **Sofdesk Inc.**
  - Accelerating your Residential Solar Sales

www.intersolar.us