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HARNESS THE POWER OF SOLAR-PLUS-STORAGE

WELCOME TO INTERSOLAR & EES NORTH AMERICA

Welcome to a renewable future!
2017 brought another record year with almost 100 GW global PV installations, a volume, that optimists had expected for 2020! In the U.S. 10.6 GW of PV was installed in 2017, down 30% from 2016. However, 30% of all new power capacity installed last year in the U.S. was solar. The latest market forecasts expect similar solar demand in 2018 compared to 2017.

The Intersolar North America Exhibition and Conference, the first major U.S. solar event of the year, will provide attendees a head start on the trends shaping this competitive and dynamic marketplace. How will the market grow in the next few years? What will be the future drivers of residential, commercial and industrial segments? Will the U.S. see increased local module and cell manufacturing capacities in the wake of Section 201? And what new forms of investment will appear? At the same time, will existing policies remain unchanged or even amended to the advantage of solar PV or will possibly other sources of power generation be favoured and solar PV consequently may fall behind?

2017 witnessed encouraging electrical energy storage (ees) related developments. Solar-plus-storage contracts drove down prices to historically new lows. Numerous utility-scale solar installers are actively pursuing solar-plus-storage projects, such as a Tucson Electric Power PPA contract for 4.5ct/kWh, based on 100 MW of solar PV, plus 120 MWh of ees. In 2–3 years, massive deployment is expected to take place, including storage pairings of residential solar.

At the 2018 ees North America Conference, leading experts will discuss demand and market outlook in California, how to best design storage to provide multiple services, what are the economics today and in the future, how to recycle batteries, are other ees technologies emerging, and what about storage in the context of e-mobility.

Be part of Intersolar and ees North America this July! Learn and network in the heart of solar and energy storage – San Francisco, California!

Professor Dr. Eicke R. Weber
Director, BEARS Program, UC
Berkeley and National University Singapore

WORKSHOPS

Intersolar and ees North America have again partnered with the California Solar and Storage Association (formerly CALSEIA), Solar Energy International, White House Solar and NABCEP to offer a number of engaging workshops.

Learn from experienced presenters and see instructive best practices and case studies. Gain an edge on the competition, and leave with the latest insight from leaders in solar energy and energy storage.

→ www.intersolar.us → Program

SUMMERFEST

A Journey to Outer Space
3, 2, 1... blast off!

Take a rocket ship to the outer edges of our solar system! Join us for cosmic cocktails, inter-planetary networking and a celebration of our heliocentric corner of the galaxy at the official networking party of Intersolar & ees! This year's event will be on Tuesday, July 10 from 5:00pm–10:00pm at Metreon Rooftop. With over 2,000 solar and energy storage professionals expected to attend, this is the perfect venue to continue business discussions or unwind from the day.

TOURS

Meet up with the best professionals in solar and energy storage in San Francisco while having fun! Take to the water and see San Francisco from a different angle during our SF Bay sailing tour. Join the Solar Winery and Microgrid tour for a unique, educational and relaxing way to end the week. There are three new local tours this year: the Local Solar Farm Tour, the Exploratorium Museum Tour, and the Solar Tour: Davies Symphony Hall and San Francisco Public Utilities Commission. Don't miss these fantastic opportunities to gain a new perspective on San Francisco and solar!

→ www.intersolar.us → Program

CONFERENCE | WORKSHOP PARTNERS

PROGRAM ADVISORS

SPONSORS

KEYNOTE TONY SEBA

Clean Disruption – Why Conventional Energy and Transportation Will Be Obsolete by 2030 "We are on the cusp of the fastest, deepest, most consequential disruption of energy and transportation in history. Be aware of the key technology mega-trends, business-model innovations, and technology convergence that are enabling this disruption and its implications for industry and society. The clean disruption is far bigger, will happen much faster and the tipping point is much closer than most think."
Tony Seba, Clean Disruption, Inc. – RethinkX

CONFERENCE QUICK FACTS

Dates	July 10–11, 2018
Hours	8:30am–6:00pm I Tuesday 9:00am–6:00pm I Wednesday
Location	Moscone Center San Francisco
Venue	West Hall, Level 3, Conference Area
Speakers	170 (exp.)
Attendees	1,500 (exp.)
Program	→ www.intersolar.us → Program → www.ees-northamerica.com → Program

Register now!

OPENING & CHAMPION OF CHANGE AWARD CEREMONY

Join us for the official Opening Ceremony on Tuesday, July 10 at 8:30am. We are proud to present Tony Seba as our keynote speaker. He is the author of Clean Disruption of Energy and Transportation, Solar Trillions and Winners Take All, as well as a serial Silicon Valley entrepreneur and an instructor in Entrepreneurship, Disruption and Clean Energy at Stanford's Continuing Studies Program. His work focuses on clean energy, entrepreneurship, market disruption, and the exponential technology trends, business model innovation, and product architecture innovations that are leading to the disruption of some of the world's major industries, such as energy, transportation, infrastructure, finance, and manufacturing.

Additionally, the Opening Ceremony will honor this year's Champion of Change AWARD winner, who demonstrates an outstanding commitment to supporting the development of renewable energy. Admission to Tony Seba's keynote and the award ceremony is free of charge for all registered attendees of the exhibitions and conferences.

Pricing	Early Bird March 15–June 7	Regular June 8–July 5	Onsite July 6–12
Full Conference Ticket	$710	$790	$890
Conference Day Ticket	$475	$550	$575
Full Day Workshop	$475	$550	$575
Half Day Workshop	$275	$315	$335
CALSSA Contractor Day	$200	$200	$200
Summerfest	$150	$150	$150
SF Bay Sailing Tour	$90	$110	$130
Solar Tour: Davies Symphony Hall and San Francisco Public Utilities Commission	$50	$60	$70
Local Solar Farm Tour	$70	$80	$90
Exploratorium Museum Tour	$90	$100	$110
Solar Winery and Microgrid Tour	$135	$150	$165
Exhibition Ticket	$70	$130	$200

1 TICKET – 3 TOPICS

Buy one ticket and attend Intersolar, ees and Power2Drive sessions. Additionally your ticket grants you full access to the expo halls and opening ceremony.

170
SPEAKERS

1,500
ATTENDEES

42
SESSIONS & WORKSHOPS

INTERSOLAR NORTH AMERICA CONFERENCE

TUESDAY, JULY 10, 2018

8:30am–10:00am	Opening Ceremony (incl. Keynote Speech, Opening Speeches & Champion of Change		
Coffee			
10:30am–11:45am	PV Production Technology	Asset Management and O&M Shifts in the U.S. Residential Market	The Road to Global 100% Renewable Energy
Lunch			
12:45pm–2:15pm	Net Metering in Flux: Where States Are Heading on NEM Changes	How Policy Impacts Solar+Storage Corporate and Project Financing	Regional and Local Initiatives Towards 100% Renewables
Coffee			
2:45pm–4:15pm		Solar and Energy Storage: Unlocking Financial Value with Technology	Optimizing DERs on the Grid: Insights on Hosting Capacity Analyses
Coffee			
4:45pm–6:00pm		Carbon Pricing Policy is Solar Policy	Digitalization and (Cyber) Security

WEDNESDAY, JULY 11, 2018

9:00am–10:45am	The State of Smart Inverters: Adoption and Considerations for Implementation	CA Rule 21: U.S. Distributed Energy Resource (DER) Market Dynamics	The Future of PV
Coffee			
11:15am–1:00pm	Market Trends and Innovations to Watch	CA Rule 21: Market Segments, Business Models, Competitive Barriers	Industrial Micro and Mini-Grid: Concepts & Technologies
Lunch			
2:00pm–3:45pm	PV Power Plants: PV + ees System – Design, Layout & Operations	CA Rule 21: Integrating the IEEE 2030.5 Standard into DER Products	RE-Hybrids, Floating & Agro-PV: Technologies & System Design
Coffee			
4:15pm–6:00pm	PV Power Plants: Technological Advancements of Trackers	CA Rule 21: Profitably Deploying and Managing DER Networks	Disaster Relief & Emergency Response – Deployment of PV + Storage

Markets Finance Technology Smart Renewable Energy Power2Drive

WORKSHOPS

TUESDAY, JULY 10, 2018

10:00am–1:45pm	Photovoltaic Systems and the National Electric Code	Energy Storage: Designing for Markets Beyond Net Metering	California Solar & Storage Association's Contractor Day
2:15pm–6:00pm		PV System Operations and Maintenance	

WEDNESDAY, JULY 11, 2018

9:00am–1:00pm	Large-Scale PV: Design Considerations and Installation Case Studies	2:00pm–6:00pm	Prácticas Recomendadas por Expertos en la Industria y el NEC 2014

EES NORTH AMERICA CONFERENCE

e AWARD Ceremony)

The Chinese/Indian Battery Market and its Implications for North America	
The Outlook for Energy Storage in California	
Designing Storage to Provide Multiple Services	
Proposed DOE Grid Resilience Pricing Rule (NOPR) – Implications for Solar-Storage+O14	Financing Energy Storage

The Economics of Solar Storage – Where Are Future Cost Reductions Going to Come from?	Power2Drive: Global EV Market Development Snapshots
Future Developments in Lithium Battery Technology + Recycling & Reuse of Lithium Batteries	Power2Drive: Can the Electric Vehicle Flatten the Duck
Has Lithium-Ion Technology already Won the Race for EES?	Power2Drive: Battery Durability/Advances of High-Voltage Batteries
Software and Storage	Power2Drive: Battery Cost

TOURS & NETWORKING EVENTS

MONDAY, JULY 9, 2018

2:00pm–4:00pm | SF Bay Sailing Tour

TUESDAY, JULY 10, 2018

3:00pm–5:00pm | Solar Tour: Davies Symphony Hall & San Francisco Public Utilities Commission

5:00pm–10:00pm | Summerfest

THURSDAY, JULY 12, 2018

9:00am–12:45pm | Local Solar Farm Tour

4:30pm–8:00pm | Exploratorium Museum Tour

FRIDAY, JULY 13, 2018

9:00am–5:30pm | Solar Winery and Microgrid Tour

SOLAR ENERGY STORAGE SMART RENEWABLES

EXHIBITION QUICK FACTS

Dates	July 10–12, 2018
Hours	10:00am–5:00pm I Tuesday 10:00am–5:00pm I Wednesday 10:00am–4:00pm I Thursday
Location	Moscone Center San Francisco
Venue	West Hall, Level 1–3
Exhibitors	500 (exp.)
Visitors	16,000 (exp.)
Focus	Solar, Energy Storage, Smart Renewable Energy

1 Ticket – 3 Exhibitions

Your expo or conference registration grants you access to three exhibitions. Intersolar and ees North America are co-located and serve as the ultimate hot-spot for solar and energy storage solutions. In addition, the co-located SEMICON West will once again have its flagship annual event for the global microelectronics industry.

Organizers

SOLAR PROMOTION INTERNATIONAL

FREIBURG Management Marketing international

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FOLLOW US

INTERSOLAR NORTH AMERICA

Since 2008, Intersolar North America has served as the industry's go-to source for innovation, information and premier networking opportunities that move the North American market forward. Co-located with ees North America – and SEMICON West – Intersolar North America's exhibition and conference is a critical link among the synergistic technologies of solar power, energy storage and smart renewable energy. These events take place annually in San Francisco, the heart of energy innovation in North America. → www.intersolar.us

EES NORTH AMERICA & POWER2DRIVE SPECIAL EXHIBITION

Covering the entire value chain of innovative battery and energy storage technologies, ees North America is the leading exhibition and conference for the electrical energy storage industry. ees North America connects manufacturers, distributors, users and suppliers of stationary and mobile storage products in the epicenter of the U.S. storage market, California. This year, ees North America will feature the new special exhibition Power2Drive, focused on charging infrastructure, EV batteries and electric vehicles.

→ www.ees-northamerica.com

1 expected numbers for Intersolar and ees North America 2018.