SAM 2015 Virtual Conference Schedule

July 9, 2015. All times listed in US Mountain Standard Time

Intro -- 8:30 – 8:45

Special Topics --- 8:45 – 10:25

The use of NREL's SAM to approximate the performance of Bifacial PV Installations Mike Barker Building Physics	**8:45 – 9:05**
A SAM Proxy Model for Optimization of Hybrid Solar-Gas Power Generation Phil Brodrick Stanford University	**9:10 – 9:30**
PV Simulation in Excel. Integration of SAM SDK into spreadsheet using Add-In Igor Koshkin Renewable Energy Systems Americas Inc.	**9:35 – 9:55**
Estimating PV losses due to Snow Coverage in SAM Severin Ryberg National Renewable Energy Lab	**10:00 – 10:20**

Break -- 10:25 – 10:45

System Design and Optimization with SAM ------------- 10:45 – 12:00

Optimizing PV for complex rooftops with SAM Jeremy Berke RainShadow Solar	**10:45 – 11:05**
Life cycle production and costs of a residential solar hot water and grid-connected photovoltaic system in humid subtropical Texas James Sweeney Texas A&M University	**11:10 – 11:30**
Using SAM to Re-calibrate Estimated Energy Production from Solar PV Array Based on Actual Electrical Energy Data Kenneth J. Anderson TheEnergyGleaners	**11:35 – 11:55**

Lunch --- 12:00 – 1:00

CSP Modeling --- 1:00 – 2:15

SAM for CSP cooling analysis

Ana Dyreson
University of Wisconsin - Madison

1:00 – 1:20

Simplified modeling of thermo-chemical energy storage system (TCES) for solar power tower using the System Advisor Model (SAM)

Rounak A. Kharait
Leidos Engineering

1:25 – 1:45

Modelling a competitive CSP plant in Brazil: the role of biomass hybridization

Rafael Soria
Federal University of Rio de Janeiro

1:50 – 2:10

Break --- 2:15 – 2:30

Application of SAM in Large Scale Analysis ---------------- 2:30 – 4:10

Using SAM to demonstrate the value of solar PV

Kate Daniel
NC Clean Energy Technology Center

2:30 – 2:50

Lessons learned from SAM simulation core application development

Joseph Ranalli
Penn State Hazleton

2:55 – 3:15

Innovative approaches to Identification of Distributed Solar PV Potential

Nathan Clark
Black and Veatch

3:20 – 3:40

Interactive Renewable Energy Network planning using SAM's SDK

Angus King
Sustainable Energy Now Inc.

3:45 – 4:05

Outro --- 4:10 – 4:20