Introducing SUN UP – a match-making program

• Solar University-National lab Ultra-effective Program

• Objective: Match university researchers with NREL researchers:
  o Each side must have their own funding
  o Funding must be for similar research topics
  o Expect a joint publication between NREL and university
  o Expect both faculty member and student to be engaged

• Challenge: Connecting researchers with similar interests
Steps to completing stay at NREL

1. University obtains funding to cover faculty member and student. *Topic must be similar to NREL R&D topic.*

2. NREL partner is identified:
   - Use existing collaboration
   - Listen to a SUN UP webinar
   - Read an NREL paper and contact researcher directly
   - Contact SUN UP coordinator for assistance in finding NREL researcher with common interests ([Sarah.Kurtz@nrel.gov](mailto:Sarah.Kurtz@nrel.gov))

3. Time frame and scope of work is negotiated

4. Paperwork is completed (SUN UP will help to coordinate)

5. Stay is completed: joint publication including NREL researcher, student and faculty member
Is SUN UP right for me?

✓ Is my research topic similar to research being done at NREL?
✓ Does NREL have equipment or expertise that will help me accomplish my research faster or better than at my university?
✓ Can I contribute to the NREL research project in a useful way?
✓ Am I interested in spending some time in Colorado?
• The Challenge of SUN UP is identifying a match between the research being done at NREL and the university research

• Today, we will have two presentations:
  o Aaron Ptak: Low-cost III-V materials & devices
  o Adele Tamboli: III-V/Si integration
  o Q&A at end of today’s presentation

• See http://www.nrel.gov/pv/sunup.html
  o October 18
  o November 3
  o We will post information at this website for those who miss the webinars
Introducing a separate program – NOT related to SUN UP

- Office of Science program provides graduate student funding for fundamental research projects (SCGSR):
  - [http://science.energy.gov/wdts/scgsr/](http://science.energy.gov/wdts/scgsr/)
  - Due date is Nov. 21