

**Project Year 6 2017**

Cross Cutting

Education Research		Michelle Jordan
Sustainability		Clark Miller
Diversity		Delia Saenz
Testbeds		
Testbed 1:	Student Pilot Line	Stuart Bowden
Testbed 2:	Advanced Modules	Mariana Bertoni
Testbed 3:	Sustainability of TW Photovoltaics	Christiana Honsberg
Thrust 1		Leads: Tonio Bounassissi
Thrust 1 Project 1:	High Mobility TCOs	Mariana Bertoni
Thrust 1 Project 2:	"?"	Robert Opila
Thrust 1 Project 3:	Defects in Crystalline Silicon for High hPV Devices	Tonio Buonassissi
Thrust 1 Project 4:	Reliability of MLPE and QESST PV devices	Govindasamy Tamizhmani
Thrust 2		Leads:
Thrust 2 Project 1:	Tandem III-V/Si Integration for > 30% Efficiency	Harry Atwater
Thrust 2 Project 2:	Epitaxial Strategies for Dual Junction Si/III-Sb solar cells	Ganesh Balakrishnan
Thrust 2 Project 3:	III Nitride on Si In-situ and Induced Junctions	Alan Doolittle
Thrust 2 Project 4:	Dilute Nitride Materials for PV	Alexandre Freundlich
Thrust 2 Project 5:	1.7 eV MgCdTe solar cell for Si-based tandem solar cells	Zachary Holman
Thrust 3:		Leads:
Thrust 3 Project 1:	Nano Based Enablers for Commercial Silicon Solar Cells	Zachary Holman
Thrust 3 Project 2:	Multiscale modeling	Stephen Goodnick
Thrust 3 Project 3:	Defects in Semiconductor Compounds (DISC)	Richard King
Thrust 3 Project 4:	Spectral/Spatial Light Management Optics for Tandem and Separated Multiple Bandgap Cell PV Systems	Ray Kostuk
Thrust 3 Project 5:	Polycrystalline Thin Film Solar Cells for Tandem PV	William Shafarman