

EMERGING TECHNOLOGIES REVIEW

DATE: May 31, 2017
TIME: 9:30 AM-6:15PM
LOCATION: Engineering Science Building 1001

TIME	SESSION	SPEAKER
9:30 AM	Welcoming Address & Institute for Energy Efficiency	John Bowers, UCSB
10:00 AM	Introductory Remarks	Chancellor Yang, UCSB
10:10 AM	Emerging Technologies Overview	Gary Barsley, SCE
PRODUCTION & STORAGE		
10:20 AM	Sustainable Energy: Solar Power's Transition into a	Mahesh Morjaria, First Solar
10:50 AM	Efficiency charge storage with battery-supercapacitor hybrids	Galen Stucky, UCSB
11:20 AM	SCE Mira Loma Battery Energy Storage project with Tesla	Jose Salazar, SCE
11:45 AM – 1 PM	<i>Lunch on ESB Terrace</i>	
1:00 PM	Building an Ambient Africa	James Rogers, Apeel Sciences
COMPUTING		
1:30 PM	Making the Internet-of Things (IoT) Efficient with Edge Clouds	Chandra Krintz, UCSB
1:55 PM	Electricity demand side management for a sustainable	Mahnoosh Alizadeh, UCSB

2:20 PM	Quantum Supremacy: Checking a Quantum Computer with a	John Martinis, Google/UCSB
2:50 – 3:20 PM	<i>Break</i>	
SUSTAINABILITY		
3:20 PM	Global environmental assessment of low-carbon	Sangwon Suh, UCSB
3:45 PM	Lifecycle of PV-battery microgrids	Roland Geyer, UCSB
ELECTRONICS & PHOTONICS		
4:10 PM	Photo- and Electrochemical Water Treatment and Mining	Chong Liu, Stanford
4:40 PM	High efficiency data center optical interconnects	Geza Kurczveil, HPE
5:00 - 6:15 PM	<i>Reception on ESB Terrace</i>	