



# New Technologies for Discovery IV: The 2018 CPAD Instrumentation Frontier Workshop

## Monday, 10 December 2018

### **Parallel Session: Silicon Detectors - 552A (10:30 - 12:30)**

time	[id] title	presenter
10:30	[26] Pixel Sensors with Engineered Substates for Time and Space Resolution and Radiation Hardness	Dr LIPTON, Ron
11:00	[125] 3D sensors for charged particle tracking	SEGAL, Julie
11:30	[126] Monolithic sensors for high energy physics	RIEDLER, Petra
12:00	[127] Timing with Solid State Detectors	SCHUMM, Bruce

### **Parallel Session: Silicon Detectors - 552A (13:30 - 15:30)**

time	[id] title	presenter
13:30	[128] Lithium doped Silicon Detectors for Particle Astrophysics	PEREZ, Kerstin
14:00	[129] Reinventing amorphous selenium avalanche photodetector for picosecond time-of-flight applications	GOLDAN, Amir
14:30	[130] Silicon devices with single charge resolution	MITRA, Pitam
15:00	[131] Charge-Coupled Devices Fabricated on Bulk Germanium	Dr LEITZ, Christopher

## Tuesday, 11 December 2018

### Parallel Session: Silicon Detectors - 552A (08:00 - 10:00)

time	[id] title	presenter
08:00	[132] Back-illuminated imagers with ns time resolution	NOMEROTSKI, Andrei
08:30	[25] High Density Interconnect Technology aka 3D Integration for Radiation Detection Circuits and Systems	Dr DEPTUCH, Gregory
08:50	[23] Low Gain Avalanche Detector development at BNL	Dr GIACOMINI, Gabriele
09:10	[135] Technical Choices and Challenges of LSST Readout System	HERRMANN, Sven
09:30	[136] Avalanche photodiode (APD) and high dynamic range (HDR) imaging	