## **Session Program**

9-13 Jul 2017



## **CEC-ICMC 2017 - Abstracts, Timetable and Presentations**

## M3OrF - Focused Session: Cryogenic Microelectronics & Materials II

Monona Terrace Community and Convention Center Madison, Wisconsin USA

## Tuesday 11 July

14:00	M3OrF - Focused Session: Cryogenic Microelectronics & Materials II Session   Location: Hall of Ideas - EH   Conveners: Dr Charles Rong, Dr Deepnarayan Gupta
	14:00-14:30   [Invited] Advances in Superconducting Device Fabrication from Nanowire   Detectors to Large-Scale Integrated Circuits   Speaker   Dr Eric Dauler
	14:30-15:00[Invited] Development of Current Biased Superconducting Stripline Detectors and Signal Processing Circuits Compatible with Standard SFQ Foundry ProcessesSpeaker Dr Ali Bozbey
	15:00-15:30 [Invited] Multi-pixel superconducting nanowire single-photon detectors with cryogenic signal processors using single-flux-quantum circuits Speaker Dr Terai Hirotaka
	15:30-15:45 Digital Readout of Cryogenic Detectors using Superconductor Integrated Circuits Speaker Dr Timur Filippov
	15:45-16:00 A 4 K Tactical Cryocooler Using Reverse-Brayton Machines Speaker Dr Mark Zagarola