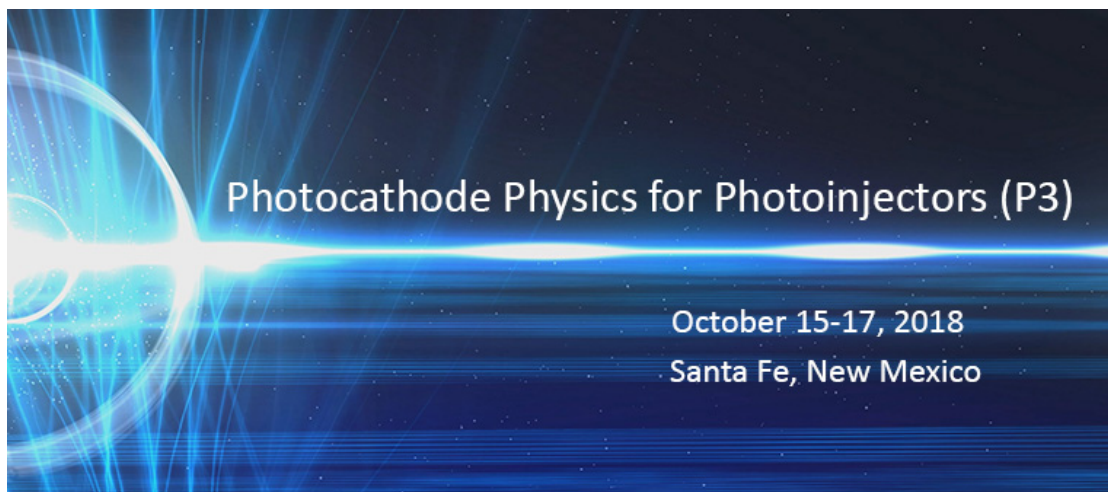


## **Session Program**

**15-17 Oct 2018**



# **Photocathode Physics for Photoinjectors 2018**

## ***Session 2***

Hilton-Buffalo Thunder, Pueblo Conference Room A  
20 Buffalo Thunder Trail Santa Fe, NM, USA 87506

# Monday 15 October

09:45

## Session 2: Application Oriented Research: Low Average Current

**Session** |**Location:** Hilton-Buffalo Thunder, Pueblo Conference Room A, 20 Buffalo Thunder Trail Santa Fe, NM, USA 87506 |**Convener:** Dr Pietro Musumeci

09:45–10:05

### Review of requirements and challenges for UED/UEM

**Speaker**

Dr Renkai Li

10:05–10:25

### Spatio-temporal quantum limits for UED/UEM from MTE

**Speaker**

Dr Jared Maxson

10:25–10:45

### < 10 meV MTE from Cu

**Speaker**

Dr Siddharth Karkare

10:45–11:00

### Brightness of nonequilibrium femtosecond photoemission in metallic photocathodes near threshold

**Speaker**

Dr Jai Kwan Bae

11:00–11:15

### Engineered Nanodiamond Photocathodes

**Speaker**

Sergey Baryshev

11:15–11:30

### Computational Screening for New Photocathode Materials

**Speaker**

Dr Joshua Paul

11:30–11:50

### Laser-triggered nano-emitters for femtosecond pulse generation from flat surfaces

**Speaker**

Dr Daniele Filippetto

11:50–12:00

### Workshop Discussion

12:00