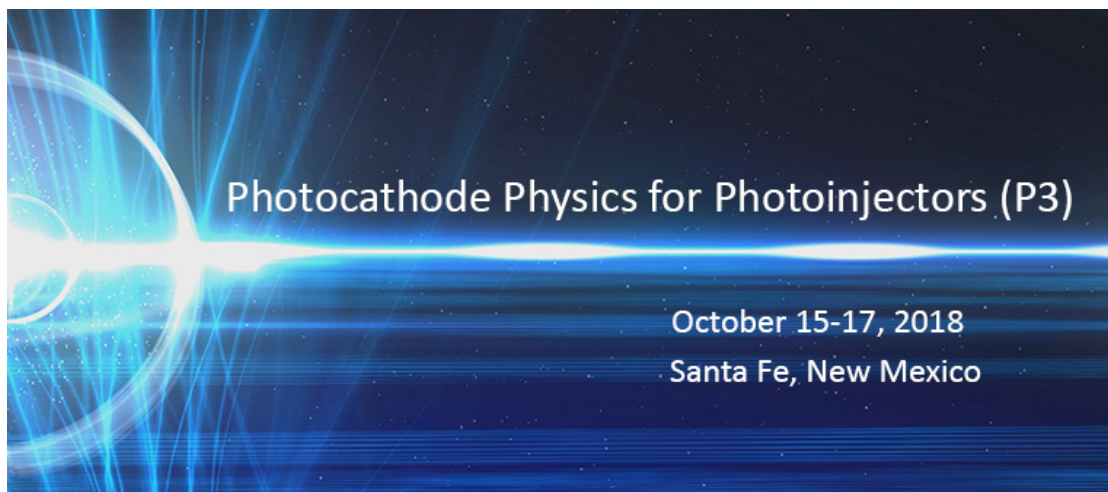


## **Session Program**

**15-17 Oct 2018**



# **Photocathode Physics for Photoinjectors 2018**

## ***Session 9***

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

# Wednesday 17 October

08:30

## Session 9: Theory and Computation

**Session** |

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

**Convener:** Dr Kevin Jensen

08:30–08:40

### Review of requirements and challenges

08:40–09:00

### Timing of photoemission and the dielectric response of metallic surfaces

**Speaker**

Dr Luca Castiglioni

09:00–09:20

### Perspectives on Alkali Antimonide Semiconductors from Density-Functional Theory

**Speaker**

Dr Dan Finkenstadt

09:20–09:40

### Band Structure Interpretation of Mo(100) and W(100) Spectral Emission Properties

**Speaker**

Dr Andreas Schroeder

09:40–10:00

### Emission models and beam dynamics for diamond emitters in a compact source of high brightness beams

**Speaker**

Dr Chengkun Huang

10:00