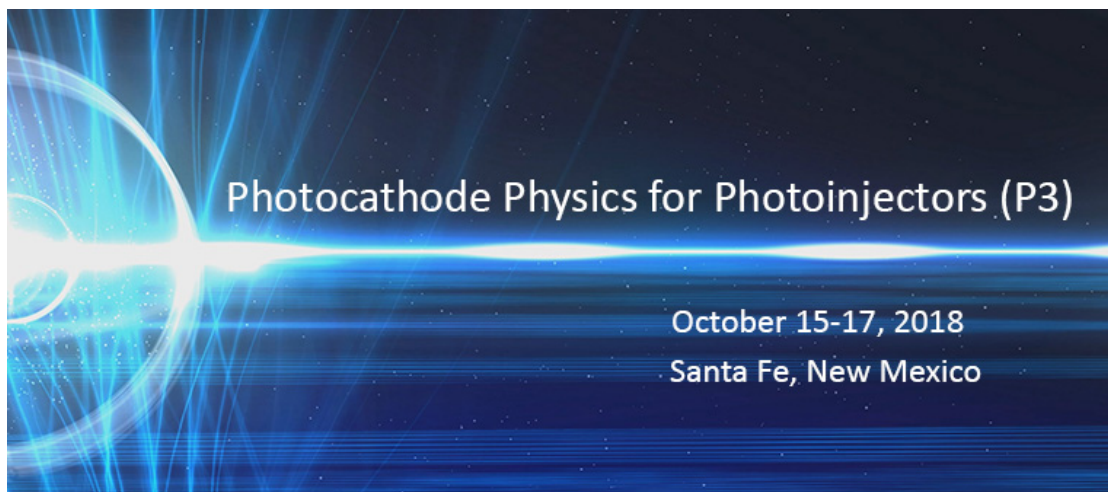


## **Session Program**

**15-17 Oct 2018**



# **Photocathode Physics for Photoinjectors 2018**

## ***Session 6***

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

## Tuesday 16 October

10:30

### Session 6: Application Oriented Research: Cathode Design

**Session** |

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

**Convener:** Dr Dave Dowell

10:30–10:35

#### Review of requirements and challenges for holistic cathode design

**Speaker**

Dr Dave Dowell

10:35–10:55

#### Towards adaptive, automated growth of photocathodes

**Speaker**

Dr Vitaly Pavlenko

**Location**

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

10:55–11:15

#### Ultra thin-film coatings and Novel approaches toward Superconducting Photocathodes

**Speaker**

Dr Linda Spentzouris

**Location**

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

11:15–11:35

#### Interference Photocathodes for Enhanced Quantum Efficiency

**Speakers**

Dr Anna Alexander, Fangze Liu, Dr John Smedley, Dr Nathan Moody, Dr Prabhakar Bandaru, Dr Vitaly Pavlenko

**Location**

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

11:35–11:55

#### Towards photocathodes with elongated lifetimes and high quantum efficiency by passivating with two dimensional materials

**Speaker**

Dr Enrique Batista

**Location**

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

11:55–12:15

#### Measurements of physical and chemical roughness of alkali-antimonides

**Speaker**

Mr William DeBenedetti

**Location**

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

12:15–12:30

#### Workshop Discussion

**Location**

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

12:30