

Session Program

18-22 Jun 2017



2017 IEEE Pulsed Power Conference

***Oral session 18 - Intense Electron and Ion Beams, Plasma, Ion and Electron Sources -
Session Chair : Jacob Zier***

Hilton Brighton Metropole Hotel
Kings Road Brighton BN1 2FU United Kingdom

Wednesday 21 June

15:00

Oral session 18 - Intense Electron and Ion Beams, Plasma, Ion and Electron Sources - Session Chair : Jacob Zier

Session | **Location:** Hilton Brighton Metropole Hotel, Dukes Suite

15:00–15:15

PREDICTIVE MODELLING OF THE MERLIN SMP DIODE PERFORMANCE

Speaker

Mr David Goude

15:15–15:30

Simulation and experimental characterization of a high power electron diode for linear induction accelerators

Speaker

Mr Plewa J.M.

15:30–15:45

Validation of gas-chemistry models for intense electron-beam induced gas breakdown*

Speaker

Dr Stephen Swanekamp

15:45–16:00

Development of Uniform Electron-Beam Sources for Materials Study*

Speaker

David Hinshelwood

16:00–16:15

Electrons Loss Characteristics Study on Bremsstrahlung Reflex Triode

Speaker

Zhongliang Huang

16:15–16:30

Characterisation of the plasma filled rod pinch diode operation

Speaker

Mr James Macdonald

16:30–17:00

Repetitively Pulsed Cold Cathode Research in the NRL Plasma Physics Division

Speaker

Dr Frank Hegeler

17:00–17:15

Influence of Target Plasma on Electron Beam Focusing in LIA

Speaker

Mr Yuriy Trunev

17:15–17:30

Effects of anode and cathode surface treatments on vacuum breakdown between metal electrodes with 50-ns high voltage pulses*

Speaker

Raymond Allen

17:30