

Session Program

22-28 Jun 2019



PPPS 2019

8.1 Electromagnetic Launch

DoubleTree at the Entrance to Universal Orlando
5780 Major Blvd. Orlando, Florida, 32819, USA

Thursday 27 June

10:00

8.1 Electromagnetic Launch

Session | **Location:** Space Coast I-III | **Convener:** Mark Crawford

10:00-10:30

ASELSAN Electromagnetic Launch Laboratory: First Shot

Speaker

Mr Mustafa Karagoz

10:30-10:45

Numerical Analysis of the Magnetic Expansion Force on the Solenoid Coil in a Four-stage Induction Coilgun with Pulsed Power Supplies

Speakers

Dr Hui Min Kim, Mr Myung-Geun Song

10:45-11:00

Investigations on the Energy Chain supporting a Naval Railgun

Speaker

Stephan Hundertmark

11:00-11:15

Magnetic Shielding Effectiveness of Layered Medium-Walled Structures

Speaker

Tyler Buntin

11:15-11:30

Factors Influencing the Efficiency of an Induction Coilgun

Speaker

Mr Ranashree Ram

11:30-11:45

Flyer Acceleration using Underwater Wire Explosions

Speaker

Savva Theocharous

11:45-12:00

Design and Electromagnetic Analysis of a Multi-Stage Induction Coilgun System for Heavy Projectile

Speaker

Byeong-Soo Go

12:00