

OS6: Free Flight Experiment with MSBS and Ballistic Range

November 7, 2023

EX-4-A

- OS6-1 **Increasing the Dynamic Pressure Capability of the NASA Langley/ODU 6-inch MSBS (*Invited*)**
9:00-9:30 Mark Schoenenberger, David Cox, Eli Shellabarger (NASA Langley Research Center, USA), Hisham Shehata (Analytical Mechanics Associates, USA), Colin Britcher, Brendan McGovern (Old Dominion University, USA)
- OS6-2 **Analysis of Unsteady Wake Structure behind Magnetically Levitated Circular Cylinder with Pitch Angles in 0.3-m MSBS**
9:30-9:50 Sho Yokota, Takayuki Nagata, Yoshinori Oka, Miku Kasai, Taku Nonomura (Tohoku University, Japan)
- OS6-3 **Comparisons of Static and Dynamic Aerodynamic Studies of Fineness-Ratio One Cylinders**
9:50-10:10 Forrest Miller, Colin P. Britcher (Old Dominion University, USA)
- OS6-4 **The Differences of Aerodynamic Forces Between The Static Javelin and The Vibrating Javelin**
10:10-10:30 Ryuichi Ishiai, Kazuya Seo (Kogakuin University, Japan), Hiroyuki Okuizumi, Yasufumi Konishi, Shigeru Obayashi (Tohoku University, Japan), Shinichiro Ito, Masaki Hiratsuka (Kogakuin University, Japan)