

OS6: New Dimensions of Magnetic Suspension and Balance System

October 29, 2020

ROOM2 (Zoom Webinar)

- OS6-1 **Uncertainty Analysis of the Pitch Damping Coefficient of Blunt Bodies, Measured from Magnetic Suspension Wind Tunnel Tests**
8:00-8:20 Quincy McKown, Mark Schoenenberger, David Cox (NASA Langley Research Center, USA)
- OS6-2 **Studies of Unsteady Aerodynamics of Axially Oriented Low Fineness Ratio Cylinders**
8:20-8:40 Forrest Miller, Colin P. Britcher (Old Dominion University, USA)
- OS6-3 **Aerodynamic Characteristics of Circular Cylinders with Fineness Ratios Lower than 0.5 Measured by a Magnetic Suspension and Balance System**
8:40-9:00 Masahide Kuwata, Yoshiaki Abe, Sho Yokota, Taku Nonomura, Hideo Sawada, Aiko Yakeno, Keisuke Asai, Shigeru Obayashi (Tohoku University, Japan)
- OS6-4 **A Magnetic Suspension System for a Wind-Tunnel Model Moving by Unsteady Aerodynamic Force**
9:20-9:40 Kazuyuki Ueno, Reo Nagasaka, Takayuki Sato, Mamoru Kikuchi (Iwate University, Japan)
- OS6-5 **Investigation on Near-wake Structure of Magnetically Levitated Freestream-aligned Circular Cylinder with Fineness Ratio 0.5 – 2.0 in 0.3-m MSBS**
9:40-10:00 Sho Yokota, Yuji Saito, Taku Nonomura, Keisuke Asai (Tohoku University, Japan)
- OS6-6 **Wind-tunnel Experiment of Square-Cylinder Model in 1.0-m Magnetic Suspension and Balance System**
10:00-10:20 Masatoshi Horiguchi, Yuji Saito, Taku Nonomura, Keisuke Asai, Yasufumi Konishi, Hiroyuki Okuizumi, Hideo Sawada, Shigeru Obayashi (Tohoku University, Japan)