

# The 26<sup>th</sup> JUACEP Students Workshop

Research presentations and discussions  
of JUACEP 2019 outbound participants

**Date: Thursday, March 26, 2020**    **Venue: 241 講義室**

## Timetable

\*10 minute-presentation + 4 minute-Q&A for each

Time	Name Adviser at NU	Presentation title	Adviser at US/Canada
9:45	Opening address by		
9:50	Takeshi Matsumoto Assoc. Prof. K. Takagi Mechanical Systems Engineering	Toward Robust Tuning of Integral Resonant Control	Prof. Tetsuya Iwasaki Mechanical and Aerospace Engineering
10:05	Takaaki Miyachi Prof. N. Umehara Micro-Nano Mechanical Science and Engineering	Finite Element Analysis of Contact in Asperities	Prof. Shaker Meguid Mechanical and Industrial Engineering
10:20	Masahiro Ito Prof. K. Nagata Aerospace Engineering	The Wind Tunnel Experiment by Direct Shear Stress Sensor	Prof. Chang-Jin Kim Mechanical and Aerospace Engineering
10:35	Keita Umemura Assoc. Prof. K. Yamamoto Mechanical Systems Engineering	About ISO 15118	Prof. Rajit Gadh Mechanical and Aerospace Engineering
10:50	Break		
11:00	Yusaku Kawagoe Prof. T. Matsumoto Mechanical Systems Engineering	Conditional Machine Learning-Based Inverse Design of Photonic Metasurfaces	Prof. Aaswath Raman Materials Science and Engineering
11:15	Tomoyasu Watanabe Prof. N. Umehara Micro-Nano Mechanical Science and Engineering	Effects of Pulse Width of VNbTaMoW High Entropy Alloy Thin Films Deposited by HiPIMS	Prof. Suneel Kodambaka Materials Science and Engineering
11:30	Tomohiro Saso Prof. N. Umehara Micro-Nano Mechanical Science and Engineering	Study of Tribological Performance of Aluminum Alloy 7075(T6)-TiB <sub>2</sub> Nanocomposites	Prof. Xiaochun Li Mechanical and Aerospace Engineering
11:45	Takumi Kani Prof. N. Umehara Micro-Nano Mechanical Science and Engineering	Development of Low Adhesion Film Using Mesoporous Silica	Prof. Laurent Pilon Mechanical and Aerospace Engineering
12:00	Completion Ceremony & Photography		
12:15	Adjournment		