

The 26th JUACEP Students Workshop

Research presentations and discussions
of JUACEP 2019 outbound participants

Date: Thursday, March 26, 2020 **Venue: 241 Lecture room**

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 Prof. Yang Ju, JUACEP Leader		
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	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
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	Completion Ceremony & Photography		

16:00	Tomohiro Saso Prof. N. Umehara Micro-Nano Mechanical Science and Engineering	Study of Tribological Performance of Aluminum Alloy 7075(T6)-TiB ₂ Nanocomposites	Prof. Xiaochun Li Mechanical and Aerospace Engineering
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Date: April 17, 2020

13:00	Masahiro Itoh Prof. K. Nagata Aerospace Engineering	The Wind Tunnel Experiment of Low Profile Double Floating- Elements Shear Stress Sensor	Prof. Chang-Jin Kim Mechanical and Aerospace Engineering
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