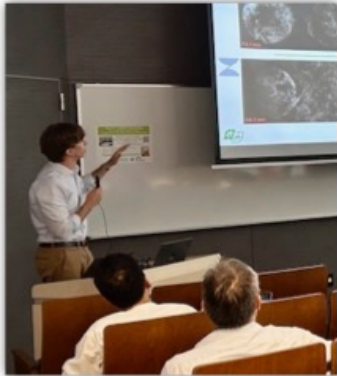


The 40th JUACEP Workshop for the 2026 Summer Research Course & the 2025 Outbound Course Students



9:50 – 16:30, AUGUST 26, 2026
VENUE: FUJI HALL, 2F, EI BLDG.
(EI創発館2階 FUJIホール)



Registration ↑

<https://forms.gle/hwqVdioPfmQgRExE6>

We would appreciate it if you register beforehand but feel free to just drop by any time without registration as well.



9:50 **OPENING ADDRESS**
10:00 – 16:00 **PRESENTATIONS BY 18 STUDENTS**
 (12:00 – 13:00 LUNCH BREAK)
16:00 – 16:30 **COMPLETION CEREMONY AND PHOTO SHOT**
16:30 **CLOSING**



The participants will deliver presentations (9 mins.+ Q&A 4 mins.) based on their research topics of the home universities and NU.

Japan-US-Canada Advanced
Collaborative Education Program
052-789-2799 JUACEP Office
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9:50 – 10:00	Opening address: Dean, Prof. Eijiro Maeda
10:00 – 10:15	(1) TULLURI, Sai Sriya, "Identifying and Addressing Safety Gaps in VLA-Based Wheelchair Navigation" Advisor: Assoc.Prof. H. Okuda, Mechanical Systems Engineering
10:15 – 10:30	(2) ELGOURI, Arslan, "Structure-Based Engineering of the Adenosine A2A Receptor Enhances the Potency of an Approved Antagonist for Cell-Type-Specific Target" Advisor: Prof. S. Kiyonaka, Biomolecular Chemistry
10:30 – 10:45	(3) ROSTAMIAN, Fatemeh, "Reliable Pedestrian Intent Prediction and Transmission Control for V2X Networks" Advisor: Prof. T. Yamazato, Information and Communication Engineering
10:45 – 11:00	(4) LI, Yu-Chieh, "Information-Theoretic Active Perception for Bud Detection in Autonomous Grapevine Pruning" Advisor: Prof. Y. Hasegawa, Micro-Nano Mechanical Science Engineering
11:00 – 11:15	Break
11:15 – 11:30	(5) JIA, Shengxiang, "Optimization of End-Effector Transparency for a 3-DOF Robot Arm" Advisor: Assoc.Prof. A. Heya, Mechanical Systems Engineering
11:30 – 11:45	(6) ABDOLI, Mahsan, "Effects of Migration Patterns and Temporary Absence on User Impressions of Migrating (ITACO) Agents" Advisor: Assist.Prof. T. Kubota, Information and Communication Engineering
11:45 – 12:00	(7) MORRIS, Grayson, "Quantaray GaN Growth on Sapphire and GaN Substrates" Advisor: Prof. Y. Honda, Electronics
12:00 – 13:00	Lunch Break

	Chair: Assoc Prof. Takayuki Tokoroyama
13:00 – 13:15	(8) STIMACH, Mason, “Effects of Variable Slit Geometry on Detonation Wave Synchronization in Clustered RDE” Advisor: Prof. J. Kasahara, Aerospace Engineering
13:15 – 13:30	(9) MICHNOFF, Nathaniel, “Experimental Study of the Effect of Back Pressure on the Formation and Stability of an Ethylene-Oxygen Rotating Detonation Engine” Advisor: Prof. J. Kasahara, Aerospace Engineering
13:30 – 13:45	(10) ARMYN, Lucas, “The Effects of Equivalence Ratio and Mass Flow Rate on Thermal Flux in Side-Wall Injection RDEs” Advisor: Prof. J. Kasahara, Aerospace Engineering
13:45 – 14:00	(11) DIRAN-OJO, Erin, “Low-Loss Inductor Design for Capacitive Power Transfer Systems” Advisor: Prof. M. Yamamoto, Electrical Engineering
14:00 – 14:15	(12) BUN, Mary, “Fabric Robotic Glove for Hand and Wrist Haptic Feedback in Immersive VR Table Tennis” Advisor: Prof. T. Aoyama, Mechanical Systems Engineering
14:15 – 14:30	(13) NAGAE, Mahiro, Advisor: Prof. N. Usami, Materials Process Engineering
14:30 – 14:45	Break
	Chair: Prof. Yasumasa Ito
14:45 – 15:00	(14) LOPEZ, Sergio, “Approach Trajectory Control of a Fixed-Wing UAV under Wind Disturbances” Advisor: Prof. S. Hara, Aerospace Engineering
15:00 – 15:15	(15) PIEU, Nahruma, “Numerical Investigation of Storm-Induced Wave Controls on the Reopening of Midnight Pass during Hurricane Helene” Advisor: Prof. T. Nakamura, Civil and Environmental Engineering
15:15 – 15:30	(16) LUO, Yuxuan, “Conductive Embroidery for Self-Sensing Embroidery Actuators: Pattern Evaluation and Normal-Force Resistance Characterization” Advisor: Assoc Prof. Y. Funabara, Information and Communication Engineering
15:30 – 15:45	(17) Milka Vincentiya, “A Grid-Level Assessment of Terrain and Built-Environment Drivers of EV Taxi Charging Locations in Shanghai” Advisor: Prof. T. Yamamoto, Civil and Environmental Engineering
15:45 – 16:00	(18) BOREK, Ulysses, “Multi-Vehicle SILS Development for Nanosatellite Formation-Flight Verification and Experimental Support for Quadrotor Rotor-Interaction Testing” Advisor: Prof. S. Sunada, Aerospace Engineering
16:00 – 16:30	Completion ceremony and photo shot
17:15 – 19:15	Farewell Banquet @ Entrance Hall, 2F EI bldg.

**9 minutes presentation + 4 minutes Q&A foreach*