

Day 2 November 30 (Sun.), 2025

9:00	Session 2-1 Thermal/Fluid Mechanics and Related Topics 2 Chairpersons: To be announced O016 (A030) On-site Evaluation of a Thermoacoustic Device Using Combination Two-Sensor Method and Transfer Matrix Method Nobuhiro SOWA (Kyoto Institute of Technology), Takuto ONO, and Yohsuke TANAKA O017 (A007) On-site Fluid Force Model for Snake-Like Robots Across a Wide Range of Kinematic Viscosities and Experimental Validation Tsuyoshi KIMOTO (Osaka Metropolitan University), Akio YAMANO, Shun SHIDAHARA, and Takashi IWASA O018 (A022) On-site Effect of Acoustically Transparent Porous Materials on Separation-Reattachment Flow in Curved Ducts Yuta SOBUE (Gifu University), Yusaku YAMADA, and Osamu TERASHIMA O019 (A032) On-site Effect of Dry Torrefaction on Combustion Characteristics of Biofuels with Japanese Cedar Xylem Toi NEKKA (Kindai University) and Toru SAWAI O020 (A024) On-site Optimization Study of Greenhouse Heating Equipment Operation Miru KOBAYASHI (Institute of Science Tokyo) and Hideharu TAKAHASHI
10:40	Short break 10:40 - 10:55 (15 min)
10:55	Session 2-2 Solid/Structural Mechanics and Related Topics 4 Chairpersons: To be announced later O021 (A051) On-site Investigation of Reaction Propagation Mechanisms in Al/Ni Reactive Multilayer Films for Reaction Rate Control Hiroya Saegusa (Kyoto University of Advanced Science), Shugo Miyake, Amit Banerjee, and Takahiro Namazu O022 (A021) On-site Pipe Strain Measurement for Detecting Leakage Phenomena by Water Hammer Damping Yuto TAKAHASHI (Niigata University), Takahiro WATANUKI, Taiki HAGIWARA, and Tetsuya SUZUKI O023 (A040) On-site Evaluation of Crystallization of Poly(L-lactic acid) and Analysis of Water Penetration Behavior Hiromichi TAKAMIYA (Saitama University) and Takenobu SAKAI O024 (A006) On-site A Study of Reconstruction Filters in Back Projection for Improving DVC Accuracy Amon OHNO (Aoyama Gakuin University), Keisuke IIZUKA (), Satoru YONEYAMA, and Akira TODOROKI
12:15	Lunch break 12:15 - 13:00 (45 min)
13:00	Plenary Lecture Chairperson: To be announced later PL001 On-site Presenting Your Research 2.0: beyond Traditional Reporting Naomi Backes KAMIMURA (Lecturer, Kindai University, Kansai University, Ritsumeikan University)
13:40	Short break 13:40 - 13:55 (15 min)
13:55	Poster Sessions (General Poster Session and Special Poster Session by Students of College of Technology) 13:55 - 14:40 Explanations and Discussions (5 min for talk and 5 min for Q&A) in Front of Each Poster 14:40 - 14:55 Free Discussion
14:55	Short break 14:55 - 15:10 (15 min)
15:10	Session 2-3 Thermal/Fluid Mechanics and Related Topics 3 Chairpersons: To be announced O025 (A041) On-site Vortex Structures Around a Hand During Flat Sculling Movements in Artistic Swimming Yukina HAGIWARA (Utsunomiya University), Kenichi NAKAGAWA, Hiroaki HASEGAWA, Takaaki TSUNOKAWA, and Hideki TAKAGI O026 (A033) On-site Design and Performance Evaluation of a Low-Speed and Turbulence Closed-Circuit Wind Tunnel Fumiya IWATANI (Kyoto Institute of Technology), Dai NAKAI, and Yohsuke TANAKA O027 (A026) On-site Machine Learning-Based Evaluation of Plant Bioelectric Potential Responses Under Environmental Stress for Cultivation System Applications Rei SEKIGUCHI (Institute of Science Tokyo), Yusuke HORI, Yota KASHIMA, Tatsuhiro HORII, Toshinori FUJIE, and Hideharu TAKAHASHI O028 (A025) On-site Pyrolysis Characteristics of Wet Torrefied Biofuels Using Japanese Cedar Xylem Naoto KUSUSAKO (Kindai University) and Toru SAWAI
16:30	Short break 16:30 - 16:45 (15 min)
16:45	Session 2-2 Solid/Structural Mechanics and Related Topics 5 Chairpersons: To be announced later O029 (A005) On-site Improving Crack Detection Performance in Concrete CT images using Deep Learning with Enhanced Loss Function Koki IKEDA (Niigata University), Kazuma SHIBANO, Moeka MUKAI, and Tetsuya SUZUKI O030 (A001) On-site CNN-Based Automated Identification of Mesenchymal Stem Cell Differentiation Fates from Morphology Haixiang CUI (Kumamoto University), Yulin XIONG, Seiji OMATA, and Yasuyuki MORITA O031 (A037) Online Development of Automated Preprocessing and 3D Contact Analysis Module within Preoperative Planning Assistance Framework for Oral and Maxillofacial Surgery Ibuki TAKEDA (University of Yamanashi), Yoshiyuki KAGIYAMA, Yuto MAEYAMA, Shun INOUE, Akinori MOROI, Norio TAKEUCHI, Yasumi ITO, Yoshinobu SATO, and Koichiro UEKI
17:45	Time to prepare to start the closing session 17:45-17:50 (5 min)
17:50	Closing Session
18:00	To be announced later