

Day 2 November 25 (Sat.), 2023

9:00	<p>Session 2-1 Thermal/Fluid Mechanics and Related Topics 3 Chairpersons: Kengo KATO (Toyama University) On-site, Tetsuya YANO (Hiroasaki University) Online</p> <p>O020 (A012) Online Decision Model for the Final Sprint Phase in Bicycle Racing by Numerical Simulation and Wind Tunnel Experiment Verification Kaichun CHANG (University of Tsukuba) and Hideaki MONJI</p> <p>O021 (A042) On-site Proximity Recognition of Approaching Droplet Holograms Using Image Recognition Models Dai NAKAI (Kyoto Institute of Technology) and Yohsuke TANAKA</p> <p>O022 (A059) On-site Design Proposal for a Bird-Like Handmade Ornithopter Flying at the Reynolds Number of $O(10^4)$ Kentarō SAWADA (Setsunan University), Jun TOMINAGA, Yuta HARA, Yoshiaki UEDA, and Shushi IKEDA</p> <p>O023 (A052) On-site Effect of Inner Wall Penetration on the Flow Field in Double-Walled Structure Channel Koki MAENO (Ibaraki University), Gen ARIYOSHI, Koichi SARUTA, Atsushi MURATA, Hiroyuki KOGAWA, Yanrong LI, Kihei TSUTSUI, and Masatoshi FUTAKAWA</p>
10:20	Short break 10:20 - 10:35 (15 min)
10:35	<p>Session 2-2 Solid/Structural Mechanics and Related Topics 4 Chairpersons: Yasuyuki MORITA (Kumamoto University) On-site, Shugo MIYAKE (Kobe City College of Technology) On-site</p> <p>O024 (A046) Online Response of Aluminum Alloy 2024-T3 Sheet Type Plates Under Impact Scenarios Using an Anisotropic Yield Function Slim DJEBIEN (Nagoya Institute of Technology), Masahiro NISHIDA, and Shingo ENOMOTO</p> <p>O025 (A007) On-site Comparison of the X-ray CT Images for Segmentation Accuracy in 2D and 3D for Concrete Damage Assessment Nadezhda MOROZOVA (Niigata University), Kazuma SHIBANO, Yuma SHIMAMOTO, and Tetsuya SUZUKI</p> <p>O026 (A021) On-site Examination of Optimal Subset Size Selection in Digital Image Correlation Kei UENO (Aoyama Gakuin University), Keisuke IIZUKA, and Satoru YONEYAMA</p> <p>O027 (A050) On-site Smart Materials with a Hexagonal Periodic Cell Structure That Shrinks with Sound Wave Sayaka ITO (Meiji University), Youtaro TUCHIYAMA, and Shuichi ARIKAWA</p>
11:55	Lunch break 11:55 - 12:55 (60 min)
12:55	<p>Poster Sessions 12:55 - 13:30 General Poster Session 13:35 - 14:25 Special Poster Session by Students of College of Technology</p>
14:40	14:25 - 14:40 Free Discussion
	Short break 14:40 - 14:55 (15 min)
14:55	<p>Session 2-3 Thermal/Fluid Mechanics and Related Topics 4 Chairpersons: Yoshiki NOGUCHI (Ryukoku University) On-site, Yoshiaki UEDA (Setsunan University) On-site</p> <p>O028 (A015) Online Interaction Between Two Spheres Falling at Low Reynolds Number in Stagnant Oil Koji TAMATE (University of Tsukuba) and Hideaki MONJI</p> <p>O029 (A045) Online Development of a Model of Thrombus Formation and Its Application to the Simulation of Thrombus Growth in a Cylindrical Container with a Stepped Shape Bottom Moe KOMAYA (Hiroasaki University), Sora ISHIZUKA, Takafumi MASUDA, and Tetsuya YANO</p> <p>O030 (A047) On-site Visualization on the Effect of an End Plate Added to a Wing in a Periodic Flow Yudai JINMOTO (Kyoto Institute of Technology), Hiroki TANAKA, Yoshitaka ISODA, and Yohsuke TANAKA</p> <p>O031 (A009) On-site Analysis of Two-Phase Flow in Converging-Diverging Nozzle with Different Pressure Ratio XiaoXian HUANG (University of Tsukuba) and Hideaki MONJI</p>
16:15	Short break 16:15 - 16:30 (15 min)
16:30	<p>Session 2-4 Solid/Structural Mechanics and Related Topics 5 Chairpersons: Shuichi ARIKAWA (Meiji University) On-site, Kenji NAKAI (Okayama University of Science) On-site</p> <p>O032 (A017) Online Deformation of Liver Due to Gravity Simulated Using Finite Element Method Atsuki TANAKA (Niigata University), Koichi KOBAYASHI, and Makoto SAKAMOTO</p> <p>O033 (A016) On-site Development of Automated Cell Morphology Analysis and Classification Based on Convolutional Neural Networks for Cell Transformation Yulin XIONG (Kumamoto University), Seiji OMATA, and Yasuyuki MORITA</p> <p>O034 (A049) On-site Kinetic Analysis on Reduction Rate of Sintered Fe_2O_3-CaO-SiO₂-Al₂O₃ Tablets with H₂-CO Gas at the Softening and Melting Temperature Shinnosuke YAGUCHI (University of Toyama), Kengo KATO, Hirokazu KONISHI, and Hideki ONO</p> <p>O035 (A058) On-site Development of a High Speed Three-Dimensional Measurement Device Using Cylindrical Lens Array Siyuan ZHU (University of Fukui), Shunsuke HIBINO, and Motoharu FUJIGAKI</p> <p>O036 (A010) On-site Evaluation of In-Plane Bending Behavior in Thin Plate Cell Structure of AZ31 Magnesium Alloy for Application to Stent Tomoya KAGOTANI (Okayama University of Science), Ichiro SHIMIZU, Shunpei UEDA, and Akira WADA</p>
18:10	Time to prepare to start the closing session 18:10-18:15 (5 min)
18:15	Closing Session
18:25	Masayuki NAKADA, Chief Editor of the Advanced Experimental Mechanics (AEM), Kanazawa Institute of Technology, Japan Ei YAMAMOTO, Vice President of the Japanese Society of Experimental Mechanics, Kindai University, Japan