

Day 1 November 25 (Fri.), 2022

9:00	Opening Session
9:10	Yoichi SHIOMI, President of the Japanese Society of Experimental Mechanics, Ryukoku University, Japan
Time to prepare to start the session 9:10-9:15 (5 min)	
9:15	Session 1-1 Solid/Structural Mechanics and the Related Measurement 1 Chairpersons: Masayuki NAKADA (Kanazawa Institute of Technology), Ichiro SHIMIZU (Okayama University of Science)
	O001 (A003) Study on the Relation Between the Shape and Design of the Wheel for the Automobile and the Interior Noise Ryo KIYOTAKI (Toyama Prefectural University), Zhe LI, Kohei ONO, Sho KOBAYASHI, Koki SHIGE, and Osamu TERASHIMA
	O002 (A006) Relationship Between Driving Parameters and Sandy Ground Condition in Crawler Vehicles Hiroaki NAKAO (Tohoku University), Xiaodong LIU, Tomoaki SATOMI, and Hiroshi TAKAHASHI
	O003 (A056) Fundamental Study on Soil Weight Estimation in Scooping by Wheel Loader Masaki ENDO (Tokyo Institute of Technology), Asahi TAKAYAMA, Hideharu TAKAHASHI, and Hiroshi YAMAURA
10:35	O004 (A022) Study on Optical Sound Measurement for the In-Situ Diagnostic System Under High Radiation Environments Atsushi MURATA (Ibaraki University), Koichi SARUTA, Takashi WAKUI, Yanrong LI, Kihei TSUTSUI, Masatoshi FUTAKAWA
Short break 10:35 - 10:50 (15 min)	
10:50	Session 1-2 Thermal/Fluid Mechanics and the Related Measurement 1 Chairpersons: Tatsuro WAKIMOTO (Osaka Metropolitan University), Hideharu TAKAHASHI (Tokyo Institute of Technology)
	O005 (A014) Drag Force Acting on Truck Models in a Line Yasuaki TAKAGI (University of Tsukuba), Daichi IGARASHI, and Hideaki MONJI
	O006 (A036) Wind Tunnel Testing of Vertical-Axis Wind Turbines (Comparison between hybrid and combined configuration) Hiroaki OHASHI (Setsunan University), Yoshiaki UEDA, and Tomoya NAKAJIMA
	O007 (A050) Effect of Depth-Position Displacement of Approaching Microdroplet Pairs on Holographic Patterns Dai NAKAI (Kyoto Institute of Technology) and Yohsuke TANAKA
12:10	O008 (A039) Effect of Microsegregation on Precipitation Behavior of AlN Inclusions During Solidification Process of Molten Fe-0.5Al- 2.0Mn Alloy Kenta IMAI (University of Toyama), Nghiem NGUYENVAN, Kengo KATO, and Hideki ONO
Lunch break 12:10 - 13:05 (55 min)	
13:05	Session 1-3 Solid/Structural Mechanics and the Related Measurement 2 Chairpersons: Yuichi ONO (Tottori University), Kenji NAKAI (Okayama University of Science)
	O009 (A058) Use of Infrared Thermography for Damage Detection of Concrete Structure by Machine Learning Kazuma SHIBANO (Niigata University), Nadezhda MOROZOVA, Taiki HAGIWARA, Yuma SHIMAMOTO, Tetsuya SUZUKI, Atsushi CHIYODA, Kakutaro SUEMATSU, Yuki TACHIBANA, and Hisaya ITO
	O010 (A005) Development of Ground Strength Estimation by Penetration of Free Fall Cone with Accelerometer Phan Thanh KIET (Tohoku University), Xiaodong LIU, Tomoaki SATOMI, and Hiroshi TAKAHASHI
	O011 (A046) Fundamental Research on Nuclear Fuel Debris Investigation Method Using LIBS and Ultrasound Yuan CHEN (Tokyo Institute of Technology), Naruki SHOJI, Zeliang ZHANG, Tran Tri VIEN, Hideharu TAKAHASHI, and Hiroshige KIKURA
14:25	O012 (A016) Mechanical Property Evaluation on Irradiated Materials with Gradient Damage Distribution Using Micro-Indentation Tests Tomoki SAKAI (Ibaraki University), Takashi WAKUI, Shigeru SAITO, Masatoshi FUTAKAWA, and Kotaro MORI
Short break 14:25 - 14:40 (15 min)	

14:40	Plenary Lecture Chairperson: Shien RI (National Institute of Advanced Industrial Science and Technology)
	PL001 Computational Optical Measurement: Progress and Hints
15:30	Qian KEMAO (Nanyang Technological University, Singapore)
Short break 15:30 - 15:45 (15 min)	
15:45	Session 1-4 Thermal/Fluid Mechanics and the Related Measurement 2 Chairpersons: Toru SAWAI (Kindai University), Yoshiaki UEDA (Setsunan University)
	O013 (A034) Thermodynamics of Copper Removal from Molten Al-Mg Alloy Through the Precipitation of Intermetallic Compounds Yusei SHINOMIYA (University of Toyama), Kengo KATO, and Hideki ONO
	O014 (A045) Influence of Input Sound Pressure Amplitudes on the SPL at the Resonance Frequency of Thermoacoustic Device with and without a Temperature Gradient Kohtaro MATSUI (Kyoto Institute of Technology) and Yohsuke TANAKA
16:45	O015 (A021) Vibration of Rod by Impinging Jet in Axial Direction Daiki TOBITA (University of Tsukuba), Hideaki MONJI, Susumu YAMASHITA, Naoki HORIGUCHI, Hiroyuki YOSHIDA, and Takanori SUGAWARA
Short break 16:45 - 17:00 (15 min)	
17:00	Session 1-5 Solid/Structural Mechanics and the Related Measurement 3 Chairpersons: Motoharu FUJIGAKI (University of Fukui), Takenobu SAKAI (Saitama University)
	O016 (A010) In-Situ DIC Monitoring Method for Measuring Material Properties in Resin Solidification Process of Injection Molded GF/PPS Takuhei TSUKADA (POLYPLASTICS CO., LTD.)
	O017 (A004) The Evaluation of Geographic Information System (GIS)-Integrated Slope Stability by Limit Equilibrium Method for the Failed Landslide Recovery Delima Canny Valentine SIMARMATA (Tohoku University), Tomoaki SATOMI, and Hiroshi TAKAHASHI
	O018 (A029) Biaxial Stress Measurement Using Electrodeposited Copper Foil Ke CHENG (Tottori University), Yuta YAMAMOTO, Takumi TANIMURA, and Yuichi ONO
18:20	O019 (A013) Notch Effects on Tensile Properties in AZ61Mg Alloy Ryota KAWANO (National Institute of Technology, Miyakonojo College), Akihiro TAKAHASHI, Naoyuki YAMAMOTO, Toshinobu TOYOHIRO, and Hiromi MIURA