

International Workshop on Advanced Experimental Mechanics for Students and Young Researchers 2024 (IWAEM'24)

List of Poster Presentations (Day 2 13:15 - 15:00, November 16)

General Poster Session	Chairperson: Ei YAMAMOTO (Kindai University)
PG001 (A020) On-site	Effect of Wavelengths for Damage Evaluation in Deteriorated Concrete-Core by Acousto-Ultrasonic Method Hikaru UMEZAWA (Niigata University), Kazuma SHIBANO, and Tetsuya SUZUKI
PG002 (A047) On-site	Analysis of Mechanical Loads Acting on Stair Handrail While Left and Right Upper-Limbs During Walking Downstairs Runa NARITA (Takushoku University) and Daisuke MORIOKA
PG003 (A028) On-site	Validation Study on Non-Contact Diagnosis of Mechanical Properties Inside Regenerated Tissue by UA-OCDF Tomohiko AOYAMA (Meijo University), Ryoya NATSUMEDA, and Souichi SAEKI
PG004 (A044) On-site	Mechanical Anisotropy of Hairless Rat Skins with Pressure Ulcers Reiya WATANABE (Kindai University), Seigo KAWAHARA, Yuki KAWAMURA, and Ei YAMAMOTO
PG005 (A034) On-site	Analysis of Ground Reaction Force and Comfortability During Walking Using Insoles Takumi ISONO (Takushoku University), Runa NARITA, Tokiya SAKAINO, and Daisuke MORIOKA
PG006 (A012) On-site	Study on Ball End Milling of Free-Cutting Cemented Carbide Kota TOYOOKA (Setsunan University), Tetsuo SAMUKAWA, Masafumi NAGATA, Kazuhiro TEZUKA, and Haruhiko SUWA
PG007 (A019) On-site	Damage Detection for Slab Asphalt Concrete in Deteriorated Road Bridge by Deep Learning with Scene Classification Hiromu TANAKA (Niigata University), Kazuma SHIBANO, and Tetsuya SUZUKI
PG008 (A036) On-site	Real-Time Feedback on Gripping Forms for the Development of an AI-Powered Artificial Arm Tomoyasu HIGUCHI (Takushoku University), Runa NARITA, Takuma YONAHA, and Daisuke MORIOKA
PG009 (A033) On-site	Mechanical Behavior of Skins with an Initial Crack Seigo KAWAHARA (Kindai University), Reiya WATANABE, Yuki KAWAMURA, and Ei YAMAMOTO
PG010 (A022) On-site	Effects of Developed Cracking Damage in Core-Concrete on Fracture Behavior in Uniaxial Compression by Using Acoustic Emission and X-ray Computed Tomography Methods Moeka MUKAI (Niigata University), Kazuma SHIBANO, and Tetsuya SUZUKI
PG011 (A030) On-site	Numerical Study on Pore Fluid Pressure Excited Oscillation Under Magnetic Field in the Diagnosing Method of Metallic Micro-Particles Buried into Fuel Cell Yuki ARAI (Meijo University), Tatsuru ASAI, Noi KURIMOTO, Yu NAKAMICHI, Daisuke FURUKAWA, and Souichi SAEKI
PG012 (A027) On-site	Vibration Characteristics of a Frame-Structure Storage Shelf Made from Bamboo Materials Ray SATO (Takushoku University), Kanshi NAKAJIMA, Terumi SHIRAISHI, Mari ABE, and Daisuke MORIOKA
PG013 (A018) On-site	Non-Destructive Detection of Energy Loss Caused by Leakage in Model Pipeline by Using Water Hammer Pressure Yuto TAKAHASHI (Niigata University), Toma TSUBOTA, Taiki HAGIWARA, and Tetsuya SUZUKI
PG014 (A031) On-site	Development of Automatic Diagnosing System of Metallic Micro-Particles Buried into Fuel Cell Using Pore Fluid Pressure Excited Oscillation Under Magnetic Field Shugo TAKAI (Meijo University), Tatsuru ASAI, Noi KURIMOTO, Yu NAKAMICHI, Daisuke FURUKAWA, and Souichi SAEKI
PG015 (A035) On-site	Analysis of Upper Limb Myoelectric Signals During the Pen-Placing Motion Tsubasa TEMIZU (Takushoku University), Runa NARITA, Ryuji ENDO, and Daisuke MORIOKA
Special Poster Session by Students of College of Technology	Chairperson: Ei YAMAMOTO (Kindai University)
PS001 (A037) On-site	Development of Catalyst Layers for PEFC Using Inkjet Printer Ayaka TASAKI (Osaka Metropolitan University College of Technology) and Kimihiko SUGIURA
PS002 (A007) On-site	Dynamic Deformation Behavior of CFRP Using SHPB Method Daiki TSUTSUMI (National Institute of Technology, Oita College) and Kyohei TAKEO
PS003 (A009) On-site	The Development of 5-Axis CNC Milling Machine for Educational Purposes Haruto ISHIKAWA (Kobe City College of Technology), Ryota KITO, Takeshi MIYAMOTO, and Masayuki NISHIDA
PS004 (A005) Online	Development of a Semi-Automatic Velocity Distribution Measuring Device for Wind Tunnel Kengo TAKAMORI (Kindai University Technical College), Hayato SATA, Koichi ARAGA, Naoya HASEGAWA, and Katsuya KUGAI
PS005 (A013) On-site	Investigation of the Use of Cathode Exhaust Gas for HF-DCFC Operation Junpei TOBITA (Osaka Metropolitan University College of Technology) and Kimihiko SUGIURA
PS006 (A006) On-site	Fluid Phantom with Curved Double Circular Tube Structure Modeled After the Spinal Cord Ryo YAMAMOTO (National Institute of Technology, Tsuyama College), Kazunori HOSOTANI, Kazuhiro TAKEUCHI, Hidefumi KUBO, and Takuya KAICHI
PS007 (A003) Online	Numerical Analysis of the Flow Around a Wing-Body Combination Model with Three Degree-of-Freedom Flapping Motohiro MITSUNAGA (National Institute of Technology, Kisarazu College) and Tadateru ISHIDE