

List of Poster Presentations (Day 2 12:55 - 14:45, November 25)

General Poster Session	Chairpersons: Ei YAMAMOTO (Kindai University), Yoshiaki UEDA (Setsunan University)
PG001 (A014) On-site	Evaluation of Crack Behavior of Damaged Concrete by Acoustic Emission Parameters in Core Test Moeka MUKAI (Niigata University), Kazuma SHIBANO, Nadezhda MOROZOVA, and Tetsuya SUZUKI
PG002 (A025) On-site	Evaluation of Mechanical Work During Shape Recovery Process of Shape Memory Polymer Saki SHIBUYA (Meiji University) and Shuichi ARIKAWA
PG003 (A031) On-site	Effect of Practical Random Patterns on Measurement Accuracy in Digital Image Correlation Method Hayato YOSHIDA (Meiji University) and Shuichi ARIKAWA
PG004 (A035) Online	Microbubble Generation by Hollow Ultrasonic Horn Using Two-Dimensional Oscillation Nobuhiro YABUKI (Yamagata University), Natsuki MURAKAMI, Kodai HASEGAWA, Wenjing XING, and Toshinori MAKUTA
PG005 (A038) On-site	Effect of Strain Rate on Fatigue Life and Inelastic Strain Energy in Low Cycle Fatigue of AZ31 Magnesium Alloy Kenshin MATSUOKA (Meiji University) and Shuichi ARIKAWA
PG006 (A040) On-site	Investigation of Performance Improvement of Smart Material Expanded by Sound Waves Mizuki NARITA (Meiji University), Hiroki KOYAMA, and Shuichi ARIKAWA
PG007 (A044) On-site	A Study on Damage Progression in CFRP Laminated During Compression Process After Multiple Impacts Keigo MORITA (Meiji University), Takeru ITO, and Shuichi ARIKAWA

Special Poster Session by Students of College of Technology	Chairpersons: Ei YAMAMOTO (Kindai University), Yoshiaki UEDA (Setsunan University)
PS001 (A018) On-site	Effect of Caudal Fin Structure on Swimming Ability of Bluefin Tuna Riku KISHINO (Kindai University Technical College) and Katsuya KUGAI
PS002 (A019) On-site	Development of an Arc Sensor That can Avoid False Detection Due to Disturbance Sentaro HAGINO (Kindai University Technical College) and Katsuya KUGAI
PS003 (A027) On-site	Influence of Catalyst Ink I/C Ratio on Electrode Application for PEFC by Spray Coating Method Ryosuke NAKANISHI (Osaka Metropolitan University College of Technology) and Kimihiko SUGIURA
PS004 (A028) On-site	Examination of Compactness and Cost Reduction of CO <sub>2</sub> Facilitated Transport Membranes Junsei UEDA (Osaka Metropolitan University College of Technology), Kanta MATSUMOTO, Kimihiko SUGIURA, Nobuaki HANAI, and Osamu OKADA
PS005 (A033) On-site	A Study on Emotion Estimation for Communication Robots Rin HIRAHARA (Kindai University Technical College), Naoya HASEGAWA, and Yoshihiko TAKAHASHI
PS006 (A036) On-site	Development, Improvement and Verification Results of Boiler Inspection Robot for Incinerators Hayato SATA (Kindai University Technical College), Naoya HASEGAWA, Makoto TERASHITA, and Hiotaka SUZUKI
PS007 (A037) On-site	Heat Generation Characteristics of Al/Ni Multilayer Materials Using Porous Ni Plating Hiroyuki IKUSHIMA (Kobe City College of Technology), Toshiaki UTE, Kenji TANIMOTO, and Shugo MIYAKE
PS008 (A043) On-site	Strength Characteristics of Aluminium Thin-Strip Joints Bonded by Al/Ni Multilayer Powder Exothermic Reactions Toshiaki UTE (Kobe City College of Technology), Hiroyuki IKUSHIMA, and Shugo MIYAKE
PS009 (A048) Online	Development of an Innovative Air Vehicle Based on a Flight of a Bird Utaka KAGAWA (National Institute of Technology, Kisarazu College), Masaki HIRANO, Shota NAGAI, Ryo FUJISAKI, Yuta YAMAMOTO, Hajime IZUMI, and Tadateru ISHIDE
PS010 (A053) On-site	Research on Communication Robots with Outputs Tailored to Human Emotions Masao ODA (Kindai University Technical College), Naoya HASEGAWA, and Yoshihiko TAKAHASHI
PS011 (A054) On-site	System That Feeds Back the Tactile Sensations Obtained by the Hand Robot to the Dataglove Kengo TAKAMORI (Kindai University Technical College) and Naoya HASEGAWA