

D-2 Wet Coating

Representative Organizer

Ryoichi ICHINO (Nagoya University)

Co-organizer

Yuki KAMIMOTO (Nagoya University)

Poster Session March 30 (Mon.) 11:15 ~ 12:30

- 11:15 D2-P-01 **Sn/Ag Micro Bump Prepared by Electrochemical Deposition Method at Low Temperature**
¹Chun Liang Lu, ¹Chih Wei Hsu, ²Ting Jen Hsueh
1 DEPARTMENT OF ELECTRICAL ENGINEERING, NATIONAL UNIVERSITY OF TAINAN
2 NATIONAL NANO DEVICE LABORATORIES
- 11:15 D2-P-02 **Plasma Electrolytic Treatment of Low Carbon Alloy Steel Using a DC Pulse Power**
¹Jung Hyun Kong, ¹Masahiro Okumiya, ¹Yoshiki Tsunekawa, ¹Tomonori Takeda, ²Ky Youl Yun, ³Masashi Yoshida,
⁴S.G Kim
1 MATERIALS PROCESSING LABORATORY, TOYOTA TECHNOLOGICAL INSTITUTE
2 FACULTY OF ENG. AND GRADUATE SCHOOL OF ENGINEERING, GIFU UNIVERSITY
3 DEPT. OF MECHANICAL ENGINEERING, SHIZUOKA INSTITUTE OF SCIENCE AND TECHNOLOGY
4 SURFACE TECHNOLOGY & HEAT TREATMENT R&D DEPARTMENT, KOREA INSTITUTE OF INDUSTRIAL TECH.
- 11:15 D2-P-03 **Tribological and Corrosion Behavior of Gear Steels Carburized via Current Heating Technique**
Atcharawadi Thongon, Chatdanai Boonruang
DEPARTMENT OF PHYSICS AND MATERIALS SCIENCE, CHIANG MAI UNIVERSITY
- 11:15 D2-P-04 **Sterilization of Seawater by the Electrolytic-Reduction Treatment**
¹Yongsup Yun, ²Boksoo Kim, ²Junyong Park, ³Jun Kang, ³Myeonghoon Lee
1 DIVISION OF MARINE SYSTEM ENGINEERING, KOREA MARITIME AND OCEAN UNIVERSITY
2 SOULBRAIN NANOTEC CO. LTD.
3 DIVISION OF MARINE SYSTEM ENGINEERING, KOREA MARITIME AND OCEAN UNIVERSITY
- 11:15 D2-P-05 **Infrared Spectroscopy of Interaction between Plasmas and Self-Assembled Monolayers**
Masanori Shinohara, Yuta Yoshida, Naoki Maruno, Yujiro Taniguchi, Yamato Nakano, Kazuki Ito, Yoshinobu Matsuda,
Hiroshi Fujiyama
GRADUATE SCHOOL OF ENGINEERING, NAGASAKI UNIVERSITY
- 11:15 D2-P-06 **Development of Corrosion-Resistant Coating of Mg Alloy with Maintaining Metallic Texture**
^{1,2}Min-Ju Park, ¹Hohyeong Kim, ^{1,2}Sena Na, ¹Jae Young Park
1 SURFACE TECHNOLOGY R&BD GROUP, KOREA INSTITUTE OF INDUSTRIAL TECHNOLOGY
2 DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING, INHA UNIVERSITY
- 11:15 D2-P-07 **Fabrication and Characterization of Porous TiO₂ Films for Photocatalytic Removal of VOCs**
¹Hohyeong Kim, ^{1,2}Min-Ju Park, ¹Minsu Lee, ¹Jae Young Park
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2 DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING, INHA UNIVERSITY
- 11:15 D2-P-08 **Study on Characteristic of Ni-Co-SiC Composite Plating in Accordance with Types of Metallic Salts**
H.K.Lee, J.M.Jeon
SURFACE TECHNOLOGY R&BD GROUP, INCHEON REGIONAL DIVISION, KOREA INSTITUTE OF INDUSTRIAL TECHNOLOGY
- 11:15 D2-P-09 **Ultrasonic Effect on the Pd Activation Step for Electroless Cu Coating**
C.M.Lee, J.Y.Hur, H.K.Lee
SURFACE TECHNOLOGY R&BD GROUP, INCHEON REGIONAL DIVISION, KOREA INSTITUTE OF INDUSTRIAL TECHNOLOGY

- 11:15 D2-P-10 **Study on Modification of PET Surface by Ultraviolet Irradiation for Electroless Copper Deposition Utilizing Silver Catalyst**
H.K.Lee, J.Y.Hur, G.H.Lee
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- 11:15 D2-P-11 **Cavitation Erosion Behavior of 5083-O Al Alloy Surface-Modified by Plasma Electrolytic Oxidation Process**
Jung-Hyung Lee, Seong-Jong Kim
DIVISION OF MARINE SYSTEM ENGINEERING, MOKPO MARITIME UNIVERSITY
- 11:15 D2-P-12 **Microstructural and Electrochemical Characteristics of Oxide Film with Plasma Electrolytic Oxidation of Al-Mg Alloy**
Jung-Hyung Lee, Seong-Jong Kim
DIVISION OF MARINE SYSTEM ENGINEERING, MOKPO MARITIME UNIVERSITY
- 11:15 D2-P-13L **Manufacturing of Functional Probe Pin through Electrolytic Ni Alloy Electroplating**
Joo-Yul Lee, Yongsoo Jeong
DEPARTMENT OF ELECTROCHEMISTRY LABORATORY, KOREA INSTITUTE OF MATERIALS SCIENCE
- 11:15 D2-P-14L **Plasma Electrolytic Oxidation of Mg**
¹Sungmo Moon, ²Yongsoo Jeong
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2 SURFACE ENGINEERING DIVISION, KOREA INSTITUTE OF MATERIALS SCIENCE
- 11:15 D2-P-15L **Chemical Dry Etching of Si Using F₂ and NO₂ Gases at Elevated Temperature**
Satomi Tajima, Toshio Hayashi, Kenji Ishikawa, Makoto Sekine, Masaru Hori
PLASMA NANOTECHNOLOGY RESEARCH CENTER, GRADUATE SCHOOL OF ENGINEERING, NAGOYA UNIVERSITY