A-5 Atmospheric Pressure plasma

Representative Organizer
Tomohiro NOZAKI (Tokyo Institute of Technology)
Co-organizers
Hideaki YAMADA (National Institute of Advanced Industrial Science and Technology)
Ryuta ICHIKI (Oita University)

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

11:15 A5-P-01 **Gas Temperature Measurement in Atmospheric-Pressure Microwave Line Plasmas**
[1]Haruka Suzuki, [1]Suguru Nakano, [2,3]Hitoshi Itoh, [1,2]Makoto Sekine, [1,2]Masaru Hori, [1,2]Hirotaka Toyoda
1 DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, NAGOYA UNIVERSITY
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3 TOYKO ELECTRON LIMITED

11:15 A5-P-02 **The Basic Study on Thermal Probe Application to an Atmospheric Pressure Plasma Jet**
Jian Chen, Yuma Onishi, Hiroto Matsuura, Shuichi Okuda
OSAKA PREFECTURE UNIVERSITY

11:15 A5-P-04 **Study of Precipitation, Deodorization and Sterilization in Large Capacity Space by Atmospheric Plasma**
[1]Yusuke Kurokawa, [2]Marius Blajan, [1,2]Kazuo Shimizu
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2 ORGANIZATION FOR INNOVATION AND SOCIAL COLLABORATION, SHIZUOKA UNIVERSITY

11:15 A5-P-05 **Influence to Growth Ability of Bacteria by Applying Plasma to Nutrient Agar**
Tsukasa Isogai, Hiroyuki Kousaka, Noritsugu Umehara
DEPARTMENT OF MECHANICAL SCIENCE AND ENGINEERING, NAGOYA UNIVERSITY

11:15 A5-P-06 **Cuprous Oxide Thin Films Prepared Using an Atmospheric Pressure Plasma Annealing**
Hong-Ying Chen, Jing-Chang Mai
DEPARTMENT OF CHEMICAL ANDMATERIALS ENGINEERING, NATIONAL KAOHSIUNG UNIVERSITY OF APPLIED SCIENCES

11:15 A5-P-07 **Development of One-Side-Flow Gliding-Arc-Plasma-Jet for Pre-Treatment of Ink-Jet Printing**
[1]Yuya Uchida, [1]Naoya Hayashi, [1]Sayo Okuda, [1]Yoshiyuki Suda, [1]Hirofumi Takikawa, [2]Hideto Tanoue, [3]Itsuo Yamamoto, [4]Hajime Shiki
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2 DEPT. OF ELECTRICAL & ELECTRONIC ENG., KITAKYUSHU NATIONAL COLLEGE OF TECHNOLOGY
3 DAISAN FILMS CONVERTING CO., LTD.
4 DAIKEN CHEMICAL CO., LTD.

11:15 A5-P-08 **Fractal Analysis of Creeping Discharge Patterns with Positive Pulsed Voltage at Atmospheric Air/Water Interface**
Tomohiro Furusato, Daigo Ichikawa, Hiroyuki Koreeda, Tomoyuki Fujishima, Takahiko Yamashita
GRADUATE SCHOOL OF ENGINEERING, NAGASAKI UNIVERSITY

11:15 A5-P-09 **Discharge Characteristics of Atmospheric RF Plasma Jet**
[1]Giichiro Uchida, [1]Kosuke Takenaka, [1]Kazufumi Kawabata, [1]Yuichi Setsuhara, [2]Keigo Takeda, [2]Kenji Ishikawa, [2]Masaru Hori
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2 GRADUATE SCHOOL OF ENGINEERING, NAGOYA UNIVERSITY

11:15 A5-P-10 **Changes in Mass-Spectra of Arginine by Atmospheric Pressure Plasma Treatment**
[1]Hidehiko Fujita, [1]Takayuki Ohta, [2]Kenji Ishikawa, [2]Keigo Takeda, [2]Masaru Hori
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2 DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, NAGOYA UNIVERSITY

11:15 A5-P-11 **Improvement of Collection Efficiency for Diesel Particulate Matter Installed with Ceramic Foam on a Collection Plate of an Electrostatic Precipitator**

Mitsuhiro Takasaki, Daisuke Okuma, Yuri Kawara, Hirofumi Kurita, Kazunori Takashima, Akira Mizuno

DEPARTMENT OF ENVIRONMENTAL AND LIFE SCIENCES, TOYOHASHI UNIVERSITY OF TECHNOLOGY

11:15 A5-P-12 **Evaluation of Microstructure and Electrochemical Behavior for CoNiCrAlY Coating Layer by Atmospheric Pressure Plasma Spraying Method**

Seong-Jong Kim, Jung-Hyung Lee, Seung-Jun Lee

DIVISION OF MARINE SYSTEM ENGINEERING,MOKPO MARITIME UNIVERSITY

11:15 A5-P-13 **Surface Sterilization Using UV/Ozone Method**

[1]Akira Yonesu, [1]Ryou Ishida, [2]Nobuya Hayashi,

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2 INTERDISCIPLINARY GRADUATE SCHOOL OF ENGINEERING SCIENCE, KYUSHU UNIVERSITY

11:15 A5-P-14 **Understanding Thermal Plasmas in Gas Tungsten Arc Welding Using a CFD-MHD Method**

[1]Jeon Hong-Pil, [2]Lee Jong-Chul

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2 SCHOOL OF MECHANICAL AND AUTOMOTIVE ENGINEERING, GANGNEUNG-WONJU NATIONAL UNIVERSITY

11:15 A5-P-15 **Gliding Arc in Noble Gases under Normal and Increased Gravity**

[1]Jiri Sperka, [1]Lucia Potocnakova, [1]Petr Zikan, [2]Jack J.W.A.Van Loon, [3]Job Beckers, [1]Vit Kudrle

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