

# 2012 International Symposium on Dry Process

## Program

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Thursday, November 15, 2012

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**Opening Remarks** (9:30–9:40) H. Kokura (Fujitsu Semiconductor Ltd.)

**Best/Young Award Ceremony** (9:40–9:50) Presenter: M. Izawa (Hitachi High-technologies Corp.)

### Nishizawa Award Lectures

H. H. Sawin (Massachusetts Institute of Technology)  
R. A. Gottscho (Lam Research Corp.)

9:50–10:50  
Chairperson: T. Ichiki (Univ. of Tokyo)

9:50–10:20

10:20–10:50

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Break (10:50–11:10)

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### Session A Surface Reaction (11:10–12:30)

Chairpersons: K. Nojiri (Lam Research Corp.), K. Karahashi (Osaka Univ.)

- [A-1] Roughness formation mechanisms involved in HBr cure 11:10–11:30  
M. Brihoum, R. Ramos, G. Cunge, K. Menguelti, E. Pargon, O. Joubert (LTM-CNRS) ..... 3
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### Session B <Arranged session> Plasma Biological Treatment and Medicine (13:30–15:10)

Chairpersons: M. Shiratani (Kyushu Univ.), M. Nakatani (Panasonic Corp.)

- [B-1] <Invited> Non-Thermal Plasma at Atmosphere for Medicine and Hygiene 13:30–14:10  
T. Shimizu<sup>1</sup>, G. Isbary<sup>2</sup>, J. L. Zimmerman<sup>1</sup>, S. Karrer<sup>3</sup>, W. Stolz<sup>2</sup>, G. E. Morfill<sup>1</sup>  
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Break (15:10–15:30)

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## Session C Atmospheric Pressure Plasma and non-plasma Reaction (15:30–16:30)

Chairpersons: T. Nozaki (Tokyo Inst. of Tech), E. Stamate (Tech. Univ. of Denmark)

- [C-1] Elongated Inductively Coupled Thermal Plasma Torch Operable in Atmospheric Pressure **15:30–15:50**  
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Chairpersons: M. Nakamura (SEMATECH Inc.), T. Tatsumi (SONY Corp.)

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T. Hirai<sup>1</sup>, M. Kano<sup>2</sup>, T. Tatsumi<sup>3</sup>  
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- [F-1] <Invited> Recent Progress in Non-Volatile Devices and Processes for Low-Power Electronics  
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Chairpersons: S. Y. Kang (Tokyo Electron Ltd.), H. Hayashi (Toshiba Corp.)

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L. Souriau<sup>1</sup>, D. Hellin<sup>2</sup>, E. Kunnen<sup>1</sup>, J. Versluijs<sup>1</sup>, H. Dekkers<sup>1</sup>, S. Xiaoping<sup>1</sup>, J. Albert<sup>1</sup>, I. Orain<sup>2</sup>, Y. Kimura<sup>2</sup>, K. Xu<sup>1</sup>, J. Vertommen<sup>2</sup>, V. Wiaux<sup>1</sup>, W. Boullart<sup>1</sup>  
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Chairpersons: H. Toyoda (Nagoya Univ.), N. Negishi (Hitachi Ltd.)

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M. Fukasawa<sup>1</sup>, H. Matsugai<sup>1</sup>, T. Honda<sup>1</sup>, Y. Miyawaki<sup>2</sup>, Y. Kondo<sup>2</sup>, K. Takeda<sup>2</sup>, H. Kondo<sup>2</sup>, K. Ishikawa<sup>2</sup>, M. Sekine<sup>2</sup>, K. Nagahata<sup>1</sup>, F. Uesawa<sup>1</sup>, M. Hori<sup>2</sup>, T. Tatsumi<sup>1</sup>  
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N. Negishi (Hitachi, Ltd.)