

MNC 2021



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October 26-29, 2021

Online and On-Demand Conference

ABSTRACT DEADLINE July 20, 2021

PLENARY SPEAKERS

Masateru Taniguchi, Osaka Univ., Japan
Patrick Naulleau, Lawrence Berkeley Natl. Lab., USA
Vivek Singh, NVIDIA, USA

SCOPE, KEYNOTE and INVITED

1: Lithography and Related Technologies and Metrology

1-1: Advanced Lithography and Patterning

Keynote: Harry Levinson, HJL Lithography, USA

1-2: Electron and Ion Beam Technologies

Keynote: Masayoshi Esashi, Tohoku Univ., Japan

Invited: Sun Wei, Hitachi, Japan

1-3: Patterning Materials

Keynote: Dario L. Goldfarb, IBM Watson Res. Center, USA

Invited: Dong Ki Yoon, KAIST, Korea

2: Nanotechnology

2-1: Nanocarbon & 2D Materials

Keynote: Kazu Suenaga, Osaka Univ., Japan

Invited: Iwao Matsuda, Univ. of Tokyo, Japan

2-2: Nanodevices

Invited: Takeaki Yajima, Kyushu Univ., Japan

2-3: Nanofabrication

Invited: Futoshi Iwata, Shizuoka Univ., Japan

2-4: Inorganic Nanomaterials

Keynote: Mitsuru Takenaka, Univ. of Tokyo, Japan

Invited: Takuya Masuda, NIMS, Japan

Invited: Nobuhiro Matsushita, Tokyo Tech., Japan

2-5: Organic Nanomaterials

Invited: Yuki Nagao, JAIST, Japan

2-6: NanoTool

Keynote: Yoichiro Hosokawa, NAIST, Japan

Invited: Kentaro Kawai, Osaka Univ., Japan

3: Nanoimprint, Hybrid-NIL, Biomimetics, and Functional Surfaces

Keynote: Jussi, VTT Technical Res. Centre of Finland

Invited: Akira Saito, Osaka Univ., Japan

4: BioMEMS, Lab on a Chip, and Nanobiotechnology

Keynote: Prof. Takanori Ichiki, Univ. of Tokyo, Japan

Invited: Takafumi Fukushima, Tohoku Univ., Japan

5: Microsystem Technology and MEMS

Keynote: Isao Shimoyama, Toyama Pref. Univ., Japan

6: Atomic Layer Processing (ALP)

Keynote: Christian Dussarrat, Air Liquide, Japan

Invited: Chang-Yong Nam, Brookhaven Natl. Lab., USA

Invited: Mato Knez, CIC nano, GUNE BRTA, Spain

Invited: Woohee Kim, Hanyang Univ., Korea

SYMPOSIUM and INVITED

Symp. A: EUVL Stochastics Symposium: Overcoming the Challenge of Stochastics for High Resolution EUV Lithography

Toru Fujimori, FUJIFILM Holdings, Japan

Toshiyuki Hisamura, Xilinx, USA

Keiichiro Hitomi, Hitachi, Japan

Takahiro Kozawa, Osaka Univ., Japan

David Medeiros, Entegris, Japan

Hirokazu Matsumoto, ZEON, Japan

Hakaru Mizoguchi, Gigaphoton, Japan

Yusa Muroya, Osaka University, Japan

Seiji Nagahara, Tokyo Electron, Japan

Mark Neisser, Tan Kah Kee Innovation Lab. China

Lawrence Melvin, Synopsys, USA

Takeo Watanabe, University of Hyogo, Japan

Ekinci Yasin, Paul Scherrer Institute, Switzerland

Symp. B: Forefront of Low-Dimensional Nanomaterials for Future Applications

Yutaka Ohno, Nagoya Univ., Japan

Kosuke Nagashio, The Univ. of Tokyo,

Kazuhiro Tsukagoshi, NIMS, Japan

Stephan Hofmann, Univ. of Cambridge, UK

Symp. C: Biological Phenomena and Functions within Micro- and Nanospace

Manabu Tokeshi, Hokkaido Univ., Japan

Philipp Rinklin, Technical Univ. of Munich, Germany

Beomjoon Kim, Univ. of Tokyo, Japan

Masanobu Iwanaga, NIMS, Japan

Symp. D: Forefront of Low-Dimensional Enhancing Technology for Next Generation Lithography

Teruaki Hayakawa, NIMS and Tokyo Tech., Japan

Takuya Isono, Hokkaido Univ., Japan

Katie Iutcher-Lee, TEL Technology Center, America, USA

Masaru Nakagawa, Tohoku Univ., Japan

Michele Perego, IMM CNR, Unit of Agrate Brianza, Italy

Narikatsu Sasao, Kioxia, Japan

Ruben Waldman, Intermolecular, USA

AWARD

Following awards will be selected from the presentations given at MNC. Outstanding Paper Award at MNC 2021 from JJAP Special Issue Most Impressive Presentation, Young Author's Award, Audience Award

CONFERENCE CHAIRS

ORGANIZING CHAIR: Takahiro Kozawa, Osaka Univ., Japan

STEERING CHAIR: Masao Nagase, Tokushima Univ., Japan

PROGRAM CHAIR: Seiji Nagahara, Tokyo Electron, Japan

SECRETARIAT

c/o Secretariat Corporation, E-mail: secretariat@imnc.jp

REGISTRATION FEE

Pre-Registration Deadline: **October 18, 2021**

Regular : 40,000 JPY On-site Regular : 45,000 JPY

Student : 20,000 JPY On-site Student : 23,000 JPY

*Confirmed invited speakers are listed and more speakers are being invited. Please visit mnc web site to confirm the latest key note speakers and invited speakers. As of July 8, 2021