

Call for Paper

7th International WorkShop on New Group IV Semiconductor Nanoelectronics

and

JSPS Core-to-Core Program Joint Seminar

"Atomically Controlled Processing for Ultralarge Scale Integration"

Jan. 27(Mon.) - 28(Tue.), 2014

<http://www.murota.riec.tohoku.ac.jp/EI4GroupIV-WS2014/>

Laboratory for Nanoelectronics and Spintronics
Research Institute of Electrical Communication
Tohoku University, SENDAI, JAPAN

The 7th International Workshop on New Group IV Semiconductor Nanoelectronics will be held in Laboratory for Nanoelectronics and Spintronics, Research Institute of Electrical Communication, Tohoku University, Sendai, Japan, on January 27-28, 2014. This workshop will focus on new group IV semiconductor nanoelectronics.

SCOPE

- Theoretical and Experimental Aspects on Homo- and Heteroepitaxial Growth
- Growth Mechanisms of Molecular Beam Epitaxy and Chemical Vapor Deposition
- Formation and Properties of Self-Organized/Quantum-Confined Structures
- Novel Growth Techniques
- Electronic and Crystallographic Structures of Surfaces and Interfaces
- Si-Ge and Si-Ge-C and Other Group IV Materials
- Silicides/Si(Ge, C) Heterostructures
- Oxides and Nitrides/Si(Ge, C) Heterostructures
- Electronic Device Applications of Si/Ge(C) Systems
- Optical Device Applications of Si/Ge(C) Systems
- Si-Based Light Emission and Detection
- Relaxed Buffers, Compliant Substrates
- Doping in Group IV Systems
- Device Technology for Si-Based Group IV Systems

SUBMISSION OF ABSTRACTS

Submission Deadline : Jan. 10, 2014

PDF or MS Word file of two-page abstract (one-page main text and one-page figures), written in English on white bond paper (A4 size; 2.5cm margin on four sides), should be submitted to the Secretariat at the CORRESPONDENCE address. All the accepted abstracts will be expected to be opened on the workshop web site. The abstract should be headed by the title, author(s), affiliation(s), address, telephone number, fax number and e-mail address, and clearly describe the originality and new contributions of the work. The title,

author(s), affiliation(s), address, telephone number, fax number and e-mail address should be also sent by E-mail to

EI4GroupIV@riec.tohoku.ac.jp

Papers to be presented at the workshop will be selected by the Program Committee based on the submitted abstracts. The notice of acceptance will be e-mailed to the first author or corresponding author by Jan. 12, 2014.

COMMITTEE

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REGISTRATION

The registration desk will be open tentatively for
10:30 - 17:00 on Monday, Jan. 27, 2014,
09:00 - 17:00 on Tuesday, Jan. 28, 2014.

Your completed registration form should be sent to Secretariat (e-mail or fax) for advanced registration. A banquet will be held at night on Tuesday, Jan. 28, 2014. Payment for banquet must be made in Japanese yen by cash at registration desk or banquet site. (Credit cards, personal checks and bank checks are NOT ACCEPTABLE.)

Registration Fee ¥0-

Banquet Fee (about ¥4,000 or lower)

CORRESPONDENCE

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