

# Call for Paper

## 5th International WorkShop on New Group IV Semiconductor Nanoelectronics

Jan. 29(Fri.) - 30(Sat.), 2010

<http://www.murota.riec.tohoku.ac.jp/SiGeC2010/>

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

International Symposium on Research Institute of  
Electrical Communication, Tohoku University

The 5th 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 29-30, 2010. 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 : Dec. 26, 2009.**

**PDF or MS Word file of Camera-ready 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 Program Chairman at the CORRESPONDENCE address.

*The abstract is recommended to be printed in Black/White. (Abstracts will be published in Black/White.)*

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

**SiGeNano@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 Dec. 29, 2009.

### COMMITTEE

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### REGISTRATION

The registration desk will be open tentatively for  
10:30 - 17:00 on Friday, Jan. 29, 2010,  
09:00 - 17:00 on Saturday, Jan. 30, 2010.

Your completed registration form should be sent to Prof. J. Murota for advanced registration. A banquet will be held 18:30-20:00 on Friday, January 29, 2010. Payment for banquet must be made in Japanese yen by cash or credit card at registration desk or in advance. Accepted credit cards are VISA and MasterCard. Personal checks and bank checks are NOT ACCEPTABLE.

Registration Fee	¥0-
Banquet Fee	¥3,000-

### CORRESPONDENCE

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