

The second circular and call for papers (as of Sep. 22, 2004)

International workshop on

**The Grammar of Technology Development
-Accelerating New Technology Development by Statistical Thinking-**

January 17-18, 2005

University of Tsukuba, Tokyo campus

Hosted by

Grant-in-Aid for Scientific Research, Ministry of Education, Culture, Science and Technology

University of Tsukuba

Transdisciplinary Federation of Science and Technology

Japanese Society for Quality Control

Invitation

I am privileged to announce that a research group (representative Hiroe Tsubaki, University of Tsukuba) supported by Grant-in-Aid for Scientific Research, Ministry of Education, Culture, Science and Technology at University of Tsukuba will host

International workshop of the Grammar of Technology Development -Accelerating New Technology Development by Statistical Thinking-

on January 17-18, 2005 at Tokyo Campus of University of Tsukuba.

Computer simulation is becoming popular in many fields, such as manufacturing industry, communication, at many stages, such as design and development of product, production design. This trend implies the necessity to develop a grammar of technology development whose core is computer simulation with statistical thinking.

In order to accelerate new technology development, there is a need to utilize the computer simulation in an effective way. In particular, it is crucial to have knowledge to utilize computer simulation, such as techniques of data collection, data analysis, model fitting, approximated function as well as the importance of the knowledge on simulated field. This workshop focuses on the techniques that support to utilize computer simulation effectively.

One of the features of this workshop is an interdisciplinary approach, because the difficulty of this subject. We believe that some in depth discussions from various viewpoints derive a grammar of technology. Some candidate sessions are shown in the below.

- Application of computer simulation in industry
- New statistical tools of design of experiments for computer simulation
- Linkage of Mathematical programming with computer simulation
- Simulation technology and data mining, etc
- Effective application of SQC in practice
- Data mining and computer simulation
- Review of software in terms of effective application

Another feature of this workshop is post publication after the workshop. Some excellent papers are published in a special issue. More details will be informed you later.

Thank you very much for your joining!

Workshop chair:
Hiroe Tsubaki, (Professor, University of Tsukuba)

Dates & Venue

The workshop is held during January 17-18, 2005 at Tokyo campus of University of Tsukuba. The home page address will be informed you soon.

Schedule

January 17(Mon)	Opening session Invited session Contributed session
January 18 (Tuesday)	Invited session Contributed session Closing session

Official language

The official language of the workshop is English.

Proceedings

A CD ROM of the proceedings will be provided at the congress

Topics

The topic for papers will include the following sectors and quality approaches.

- Application of computer simulation in industry
- New tools of design of experiments for computer simulation
- Linkage of Mathematical programming with computer simulation
- Simulation technology and data mining, etc
- Effective application of SQC in practice
- Data mining and computer simulation

Presentation of abstract/papers

Delegates interested in presenting papers are requested to submit:

Title of the presentation

Author(s)

Organization(s)

Abstracts (single spaced 1 page (A4 size) including tables and figures)

Contact point (name, address, phone number, FAX number and e-mail address)

Please send the abstracts to the secretary of this workshop:

E-mail GrammarTechnology@hotmail.com.

The deadline for the abstract submission is October 21.

Screening process

(1) The abstracts will be reviewed by the program committee to see its suitability for presentation in the workshop. The screening results will be notified to all authors by October 31, 2004.

(2) Full papers are required to be submitted before December 17, 2004, after receipt of confirmation of acceptance of abstract by the program committee.

(3) Some papers will be invited to a publication of special issue as post-proceedings of this workshop. After the workshop, program committee will invite some papers based on two reviews comments.

Important days

October 21	Deadline of abstract (1 page) submission
October 31	Notification of reviewing result of submitted abstract
December 17	Deadline of full paper (4-8 pages)
January 7	Deadline of registration (send registration form)
January 17-18	Workshop
*February 17	Invitation to the special issue (selected papers)
*April 17	Deadline of the full paper for the special issue
*June 17	Publication

(*: the schedule may be revised)

(The above schedule is revised from the 1st circular)

Registration

Registration fee is free. For the preparation, all participants are requested to send registration form via e-mail addressing to GrammarTechnology@hotmail.com with the followings.

Name, Affiliation, E-mail address, Regular mail address, Telephone number

General Information

Passport & Visa

A valid passport and visa is required for visiting Japan. If an invitation letter is requested, please contact to Shu YAMADA.

Electricity

The electricity supplied in Tokyo is 110V, 50Hz.

Contact person

Shu YAMADA

University of Tsukuba

shu@gssm.otsuka.tsukuba.ac.jp

Tel +81-3-3942-6871