STAC-9
Conference Chair
Y. Sakka, NIMS
International Committee
Steering Committee
T. Nishimura, N. Ohashi, H. Segawa, T. Taniguchi
Mater. Structures Lab., Tokyo Tech.
M. Azuma, M. Hara, M. Hosono, M. Itoh, S. Ito, F. Wakai
Mater. Center Element Strategy, Tokyo Tech.
H. Kumomi
H. Funakubo
Div. Ceramics Science, Tokyo Tech.
A. Nakajima, E. Sakai, K. Shinozaki, T. Tsurumi, T. Yano
Local Organizing Committee
Y. Adachi, K. Kimoto, T. Ohgaki, I. Ohkubo, T. Ohsawa,
K. Tamura, Y. Tsujimoto, K. Yamaura, H. Yoshida,
T. Uchikoshi,
Mater. Structures Lab., Tokyo Tech.
T. Akatsu, T. Atou, H. Hiramatsu, K. Kamata,
K. G. Nakamura, N. Matsushita
Div. Ceramics Science, Tokyo Tech.
T. Ikoma, S. Matsushita, M. Miyauchi, O. Sakurai, H. Takeda,
K. Yasuda
Sponsored by
• National Institute for Materials Science
• Materials and Structures Laboratory, Tokyo Tech
• Division of Ceramics Science, Tokyo Tech
• Materials Research Center for Element Strategy, Tokyo Tech

TOEO9
Conference Chair
T. Kamiya, Tokyo Tech.
Local Organizing Committee
N. Fujimura, A. Hasegawa, N. Ichinose, Y. Kai, H. Kawazoe
T. Kitamura, T. Kubo, H. Hosono, T. Miyata, H. Odaka
N. Ohashi, N. Oka, H. Segawa, Y. Shigesato, K. Shimamura
H. Yanagi, H. Yoshida, T. Uchida, K. Ueda, K. Utsumi

TSUKUBA
is the largest science technology accumulation site in
Japan, where more than 300 public and private
academic/research institutions and enterprises are
located. The topography is rather flat covered with
rich nature, such as Mt. Tsukuba in the north and Lake
Kasumigaura in the east which is the second largest
lake in Japan. It is located approx. 50 km from Tokyo,
taking only 45 min. by Tsukuba Express line (express
railway) from Akihabara station.

Climate / Weather
Middle October is autumn season and temperatures
may vary from 10 to 20 degrees Celsius. It is nice to
walk around.

Passport and VISAs
It is the responsibility of participants to prepare for
appropriate passport and visas to enter Japan. Please
consult your travel agency or your local Japanese
Embassy/Consulate. If you need a personal invitation,
please contact the organizing committee members.

Insurance
All participants are advised to obtain necessary
insurances for personal accidents, sickness, theft,
property damage or loss.

Call for papers (First Circular)
April 2015
Joint of
The 9th International Conference on
the Science and Technology for
Advanced Ceramics (STAC-9)
and
The 9th Symposium on Transparent
Oxide and Related Materials for
Electronics and Optics (TOEO-9)
Oct. 19 – 21, 2015
Epocal Tsukuba (Ibaraki), Japan
URL: http://www.stac9-toeo9.jp/

Address of the conference site
Epocal Tsukuba
2-20-3 Takezono
Tsukuba, Ibaraki, 305-0032, Japan
TEL: +81-29-861-0001 FAX: +81-29-861-1209
http://www.epochal.or.jp/eng/index.html

Contact: Conference Secretary, Dr. H. Segawa
National Institute for Materials Science
1-1 Namiki, Tsukuba, Ibaraki 305-0051, Japan
E-Mail: SEGAWA.Hiroyo@nims.go.jp
The Ninth International Conference on the Science and Technology for Advanced Ceramics (STAC-9):

Cutting edge of ceramic research is rapidly expanding and advancing, being far beyond the traditional scope of ceramics. The primary driving forces for such advance researches are society’s needs, such as to realize safe society, and researchers’ desire of “want to create a dream material toward bright future.” The main materials of ceramics are oxides, which are the main constituents of the earth’s crust. They are abundant in resource, benign for environment, and have many unique properties, which are not seen in conventional semiconductors and in organic materials.

The first conference STAC-1 was held in 2006 in Shonan, Japan, organized by Materials and Structures Laboratory of Tokyo Institute of Technology (MSL). After then, MSL, Division of Ceramics Science, Tokyo Institute of Technology and National Institute for Materials Science (NIMS) have organized the series of STAC conferences.

The program will feature plenary and invited talks, contributed oral and poster presentations, and a banquet. Anybody interested in the following areas is welcome to participate.

CONFERENCE TOPICS
- Structural materials
- Sintering processes
- Electro ceramics
- Thin films
- Strongly correlated electron materials and High-pressure processes
- Optical Materials and Glasses
- Chemical processes
- Characterization
- Environmental materials
- Batteries
- Ubiquitous Element Strategy for Innovative Materials

Invited Speakers (partial list)
- W.-J. Chung, Kongju National Univ., Korea
- K. Fukushi, Kanazawa Univ., Japan
- T. Goto, Tohoku Univ., Japan
- S. Ishiwata, Tokyo Univ., Japan
- S.-H. Kim, Inha Univ., Korea
- G. Maizza, Politecnico Torino, Italy
- K. Nishio, Tokyo Univ. Sci., Japan
- H.O. Sørensen, Univ. Copenhagen, Denmark
- I. Yamada, Osaka Pref. Univ., Japan
- T. Yamamoto, Nagoya Univ., Japan

The Ninth Symposium on Transparent Oxide and Related Materials for Electronics and Optics (TOEO-9):

The first TOEO symposium was initiated in 1999 in Tokyo, Japan, by the 166th Committee of Japan Society for the Promotion of Science. The primary objective is to provide a forum for discussion about fundamentals and applications of thin films of wide bandgap oxide materials with active electronic and optical properties.

Invited Speakers (partial list)
- J.D. Baniecki, Fujitsu Laboratories, Japan
- C.-C. Chang, Atmospheric Env. Plasma Technol., Taiwan
- D.S. Ginley, NREL, USA
- C.G. Granqvist, Uppsala Univ, Sweden
- D. Gloess, FEP, Germany
- D. Han, Peking Univ, China
- G. Kiriakidis, Univ Creta, Greece
- A. Klein, Darmstadt Univ Technol, Germany
- T. Omata, Osaka Univ, Japan
- D.C. Paine, Brown Univ, USA
- J. Perkins, NREL, USA
- C. Ow-Yang, Sabanci Univ, Turkey
- Q. Zhang, Fudan Univ, China

IMPORTANT DATES (tentative)

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstract submission</td>
<td>By June 30, 2015</td>
</tr>
<tr>
<td>Acceptance notice</td>
<td>By middle of August, 2015</td>
</tr>
<tr>
<td>Early-bird registration</td>
<td>Early October, 2015</td>
</tr>
<tr>
<td>Accommodation reservation</td>
<td>By individual participants</td>
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Registration Fee

<table>
<thead>
<tr>
<th>Category</th>
<th>Early Bird Fee</th>
<th>After Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Students</td>
<td>JPY35,000</td>
<td>JPY40,000</td>
</tr>
<tr>
<td>166th Committee member</td>
<td>JPY10,000</td>
<td>JPY15,000</td>
</tr>
</tbody>
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NUMBER OF PRESENTATIONS (approximate)

Invited (30 min) 40
Oral (15 min) 100
Poster 200

ABSTRACT (Submission deadline: June 30, 2015)

Abstracts will form the basis for selecting papers for presentation at the conferences. Each abstract must state clearly the purpose and specific results of the work. Lack of such descriptions may cause rejection of a paper. Instructions for abstract preparation and submission are provided on our web pages. All abstracts will be reviewed by the members of the Program Committees on the basis of scientific and technical novelty and importance. Acceptance of the papers will be informed by e-mail with the decision of presentation style. A few papers may be selected for special invited talks.

PROCEEDINGS

Authors of accepted papers are encouraged to submit proceedings. Instructions for manuscript preparation will be provided on our web pages.