



Call for Papers (First)

STSS2012

First International Symposium on Socially and Technically Symbiotic Systems

August 29-31, 2012

Tsushima Campus, Okayama University, Okayama, Japan

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The International Symposium on Socially and Technically Symbiotic System is organized to provide an international forum for the researchers, engineers and industrial practitioners from all over the world who are contributing to the advancement of socially and technically symbiotic systems for sustainable development of human society.

Symposium objectives:

The main objectives of the symposium are

- (a) to exchange and share the information of current research results,
- (b) to discuss the feasibility and future directions of these research results, and
- (c) to offer the chances of connections among active researchers in the fields of social factors, human factors, socio-technical systems, human interfaces, symbiotic energy systems, rescue systems, and so on.

Paper categories:

Prospective authors are invited to submit full papers describing original research works in the following areas including but not limited to:

- Category 1:** Social factors, human factors, socio-technical systems, risk communication,
- Category 2:** Human interfaces including the new concepts such as affective interfaces, semiotics, etc., virtual reality, augmented reality, sensing, signal processing, support systems for plant operation and maintenance, skill succession,
- Category 3:** Risk engineering, symbiotic energy systems including new energy production systems, smart grid, concepts for energy saving, etc.,
- Category 4:** Information and robot systems for rescue activities.

Organizers:

Organized by STSS2012 Organizing Committee

Cooperated by

Okayama University,

Symbio Community Forum,

Division of Human-Machine Systems of Atomic Energy Society of Japan

Supported by

Important dates:

Deadline of abstract submission	February 29, 2012
Notification of review result for abstract	April 10, 2012
Deadline of full paper submission	May 15, 2012
Announcement of advanced conference program	May 31, 2012
Deadline of advanced registration	June 30, 2012



Okayama area:

Okayama prefecture (<http://okayama-japan.jp/en/>) is located in the middle of Kansai area including Kyoto, Osaka, and Kobe cities and Hiroshima city and an important traffic position as the main gateway to Shikoku island in the south and San'in region in the north. This condition has largely contributed to the development of various industry, business, and culture from the ancient Kibi times. Okayama area is famous for Momotaro legend. There are many historical and cultural areas to be visited such as Okayama castle, Kourakuen garden, Kurashiki Bikan historical area, Kibiji district, Bizen ceramic area, and so on.

There is a big industrial complex composed of many oil, chemical, and steel companies in Mizushima area beside Seto great bridge that is the first set of bridges between Honshu and Shikoku islands and a combined bridge of railway and highway.

The weather is mild and the area along Seto inland sea has many days of sunshine. This weather condition fosters various delicious fruits in summer season such as peach, grape, and so on. There is one type of rice good for Japanese "Sake" and refreshing water streaming from the north mountain area of Okayama prefecture. The temperature in the end of August is between 32 centigrade in the afternoon and 22 centigrade in the early morning. Although the precipitation in August is 100 mm, we sometimes have short showers in the afternoon.

Symposium site:

The symposium is held at Tsushima campus of Okayama University (http://www.okayama-u.ac.jp/index_e.html). Okayama University is one of Japan's leading universities and has 11 faculties, 7 graduate schools, hospital, and various facilities. Totally 14 thousands students are studying in various academic fields. The Tsushima campus is located in the housing area just north of the center of Okayama city and is about 15 min. from JR Okayama station by bus.

Paper submission:

The official language of the symposium is English. All submission should be based on original works. Before the deadline of abstract submission, the authors should submit an abstract up to 500 words.

The abstract should be submitted by E-mail to the address of symposium office

stss2012@mif.sys.okayama-u.ac.jp

until **February 29, 2012** with the data of

- (1) Paper category,
- (2) Paper title with all authors and their affiliations, and
- (3) Name of corresponding author, his/her affiliation, postal address, telephone number, fax number, E-mail address.

The template of abstract and full paper can be downloaded at the symposium website that will open in August, 2011.

After the notification of the acceptance of abstract for the presentation of the symposium, the authors should submit their full paper and one-page abstract by E-mail to the symposium office until the deadline of full paper submission (May 15, 2012). At least one author of each paper should register by the advanced registration (June 30, 2012).

Paper publication:

All accepted papers of STSS2012 will be included in the symposium proceedings. The selected papers in energy field will be included in the International Journal of Nuclear Safety and Simulation (IJNS) by the due review process of Editorial Board of IJNS (<http://www.ijnsweb.com>).