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| INRS(France)  | SUVA(Switzerland)             |
| HSE(UK)       | Meiji Univ.(Japan)            |
| NIOSH(USA)    | Nagaoka Univ. of Tech.(Japan) |

## ORGANIZING COMMITTEE

Chair: M. Mukaidono (Meiji Univ.)

|                   |                   |
|-------------------|-------------------|
| K. Amanuna(NECA)  | T. Fujita(NECA)   |
| T. Iikura(JARA)   | T. Saito(JNIOASH) |
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## SCIENTIFIC COMMITTEE

|                      |                            |
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| J.J. Paques(IRSST)   | N. Sugimoto(NUT)           |

## CONFERENCE SECRETARIAT

If you need further information regarding registration, presentation, travel matters, please contact:

### SIAS2007 Desk

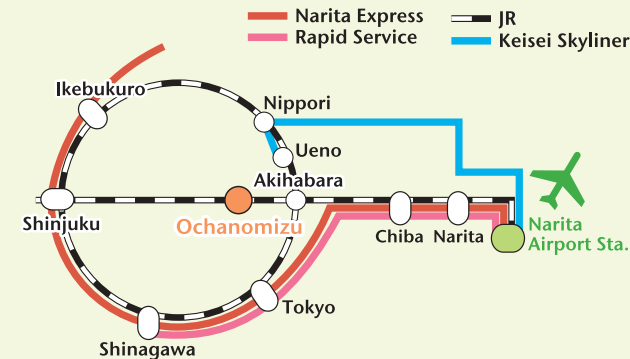
#### Kinki Nippon Tourist, Co., Ltd., Event & Convention, Kansai Office

c/o Daiko-Imabashi Bldg. 3F, 2-4-10, Imabashi,  
Chuo-ku, Osaka, Japan, 541-0042  
Phone: +81-6-6202-0224 Fax: +81-6-6202-7921  
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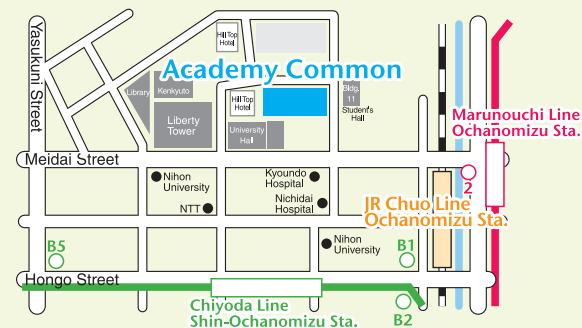
#### Nippon Electric Control Equipment Industries Association (NECA)

Matsunaga Bldg., 1-17, 2 chome, Hamamatsu-cho,  
Minato-ku, Tokyo, Japan, 105-0013  
Phone: +81-3-3437-5727 Fax: +81-3-3437-5904  
E-mail: sias2007@neca.org  
Web: <http://www.sias2007.org>

## CONGRESS VENUE



## Meiji University Surugadai Campus Guide



|  |   |
|--|---|
| 3 Minute's Walk from Ochanomizu-Guchi Exit | JR Ochanomizu Sta.  |
| 4 Minute's Walk from 2 Exit                | Marunouchi Line Ochanomizu Sta.   |
| 6 Minute's Walk from B1 Exit               | Chiyoda Line Shin-Ochanomizu Sta.   |
| 5 Minute's Walk from B5 Exit               | Chiyoda Line Shin-Ochanomizu Sta.<br>(Toei Shinjuku Line Ogawamachi Sta.) |

## Academy Common of Meiji University



### Related events schedule

#### SYSTEM CONTROL FAIR 2007:

Date: Nov. 13-16, 2007 Venue: Tokyo Big Sight

<http://scf.jp/>

## Call for Papers

# SIAS 2007

5<sup>th</sup> International Conference  
Safety of Industrial Automated Systems

November 12-13, 2007  
Tokyo, Japan

## Organized by

### JNIOASH

(National Institute of Occupational Safety and Health)

### AIST

(National Institute of Advanced Industrial Science and Technology)

### JMF

(The Japan Machinery Federation)

### JEMA

(The Japan Electrical Manufacturers' Association)

### JARA

(The Japan Robot Association)

### NECA

(Nippon Electric Control equipment industries Association)

<http://www.sias2007.org>

## CALL FOR PAPERS

We are pleased to announce that presentation of papers are widely invited for the forthcoming 5<sup>th</sup> International Conference - Safety of Industrial Automated Systems (SIAS), to be held in Tokyo, from November 12 to 13, 2007.

The first SIAS conference started was held in 1999 in Montreal (Canada). The 5<sup>th</sup> conference, supported by occupational safety research institutes and safety associations, is in the continuation of those organized in 2001 in Bonn (Germany) and, in 2003 in Nancy (France) and in 2005 in Chicago (USA).

Industrial automation has brought about a variety of benefits to industry by increasing productivity, and reducing human drudgery. On the other hand, manufacturing industries are facing new challenges due to globalization and increasing demands for environmental sustainability. In these circumstances, establishing industrial safety is becoming a more vital issue year after year. Automation has reduced the frequency of physical man-machine interaction; however, it has increased the complexity of human interventions, especially in manual operations. International safety standards and occupational regulations provide guidance to help prevent of industrial accidents; nevertheless hazards still occur in the human-machine environment of developing industrial automated systems.

This conference aims for a better understanding of the Man-System-Environment interactions and the ways to minimize the hazardous situations related to human aspects and system features. The main objective of this conference is to present participants to the results of the most recent research in the area of safety related systems for industrial machinery and give participants the opportunity to meet the experts contributing to the design of safety devices and their related standards. It will be of interest to work systems end-users, designers and Occupational Health & Safety experts interested in the general theme of *Machinery Safety in a Global Marketplace*.

## TOPICS OF INTEREST

Below is a non-exhaustive list of suggested topics. Other topics related to the scope will be considered.

### Safety of machinery

Safety concept and principle  
Design rule and strategy  
Creation of socio-technical systems

### Risk assessment

Hazards identification  
Risk estimation and evaluation  
Assessment methodology

### Practical applications/experiences

Accident investigation results  
Statistical analysis of accidental trends  
Economics of safety

### Training and supervision

Programs and results  
Organizational design and management  
Dissemination of knowledge

### Protective devices and systems

Human factors and design  
Protective and complementary protective measures  
Prevention of bypassing and defeating

### Control system designs and evaluations

Man-machine interface  
Safety performance  
Safety-related control systems for cells/IMS

### Innovation and the future

Human presence sensors (Vision, RFID)  
Robots collaborating with humans  
Integrated Manufacturing Systems

### International/Japanese standardization

International standardization  
Comparative considerations in Japanese industries  
Global approach of Japanese manufactures

### Functional safety

Safety integrity level  
Safety-rated embedded software/firmware  
Reliability features of system safety

### Miscellaneous

## CONFERENCE OUTLINE

Date : November 12-13, 2007

Place : Academy Common of Meiji University,  
Tokyo (Japan)

The conference will be held over 2 days and will accommodate approximately 50 papers and poster sessions. Guidelines for the submission of papers and posters are given in the conference web site, <http://www.sias2007.org>.

### LANGUAGE

The official language is English. Simultaneous interpretation from English to Japanese will be provided during oral sessions.

### ABSTRACTS

An abstract written in English must be submitted using the conference web site (<http://www.sias2007.org>) before February 28, 2007.

The structure of abstracts should follow:

- Format: electronic file in MS Word or plain text
- Length: 500 to 1,000 words without any figures

All submitted abstracts should include:

- Receipt number (which is granted by an e-mail after application.)
- Title of the paper
- Author(s): underline main author or speaker
- Author(s) affiliation: Organization/Company

Please visit the web site to fill in the application form.

Abstracts will be reviewed by the scientific committee.

### IMPORTANT DATES

Feb. 28, 2007 - Submission of abstracts

May 31, 2007 - Notification of paper acceptance

Aug. 31, 2007 - Submission of full papers