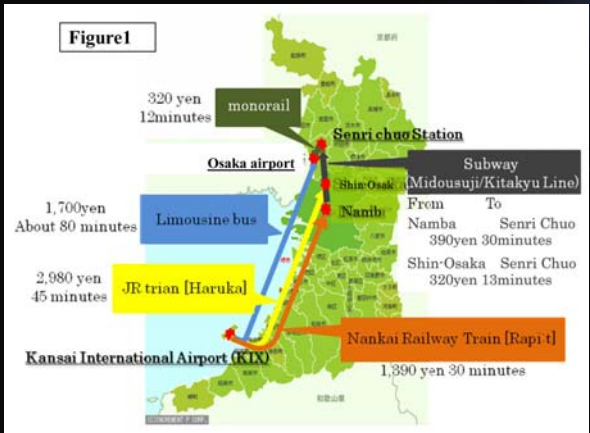
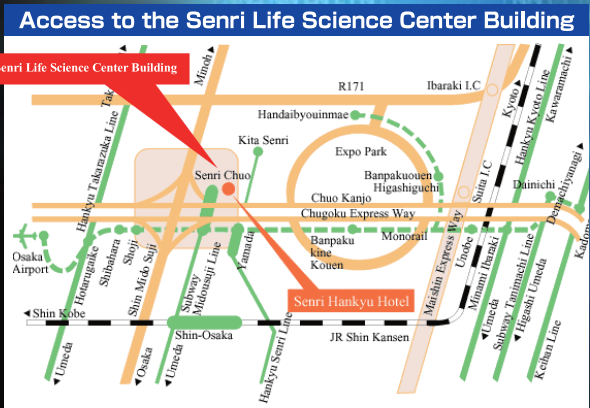


4th Conference on Artificial Muscles 5th World Congress on Biomimetics, Artificial Muscles and Nano-Bio

November 25-27, 2009
Senri Life Science Center Building, Osaka, Japan

National Institute of
Advanced Industrial Science and Technology (AIST)



Date:

November 25th(Wed)-27th(Fri), 2009
25th 9:30-18:00 (Welcome Party after the seminar)
26th 10:00-17:00
27th 10:00-17:40

Place:

Senri Life Science Center Building, Osaka, Japan
◇ Oral Presentation: Life Hall
◇ Poster/Exhibition: Senri Room

Organized by:

- Research Institute for Cell Engineering (RICE), National Institute of Advanced Industrial Science and Technology(AIST)
- Kansai Center, National Institute of Advanced Industrial Science and Technology(AIST)
- RIKEN Advanced Science Institute

Co-sponsored by:

- The Society of Polymer Science, Japan
- The Society of Instrument and Control Engineers
- The Biophysical Society of Japan
- The Robotics Society of Japan
- The Japan Society of Mechanical Engineers
- New Energy and Industrial Technology Development Organization (NEDO)

Fee: Free

Welcome Party:

Nov.25 18:00-20:00
Fee 4000 yen (on the day at the party place)

Registration methods:

Please send the attached "Application Form"
by fax to +81(0)72-751-9180 or
by e-mail to: asaka-kinji@aist.go.jp

CONTACT

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URL http://unit.aist.go.jp/rice/events/cam4/english/index_e.html

Greeting

We would like to announce that an international conference on artificial muscles will be held on November 25th-27th, 2009 in Osaka, Japan.

When the 4th World Congress on Biomimetics, Artificial Muscles and Nano-Bio was held in Spain in 2007, we were appointed by the conference committee as the organizer of the succeeding one. Thus this conference is organized as the 5th Congress. This is also organized as "4th Conference on Artificial Muscles", which is the 4th of the series of conferences on artificial muscles that have been co-organized by AIST: the 1st, 2nd, and 3rd conferences were held in the years 2001, 2004, and 2006, respectively. We hope that this conference becomes an opportunity for both those who have participated in the past conferences and those who are newly involved in this subject to exchange the knowledge of the latest developments on artificial muscles and to discuss them.

In this conference, the leading researchers inside and outside Japan in the fields of bio-systems, materials for artificial muscles, and bio-mimetic robots are invited as lecturers. Apart from the invited lectures, general oral presentation, poster presentation, and exhibition constitute the substantial part of this conference, with a particular focus on the application of artificial muscles. We will make all our efforts to make this conference an exciting one with Kansai Center of AIST and RIKEN Advanced Science Institute, who are the co-organizers.

This conference is drawing attention as a forum of developments of artificial muscles, which Japanese researchers have been significantly contributing to, and as a well of novel industries utilizing artificial muscles. We would like to encourage your active participation in this conference.

Takahisa Taguchi, AIST

Program

Nov.25(Wed)

- 9:30-10:15 Opening Remarks,
Y. Osada (RIKEN)
M. Kamimoto (AIST)
T. Taguchi (AIST)
- 10:15-11:00 Key Note Lecture
R. H. Baughman (University of Texas at Dallas, USA)
- Session I**
11:00-12:00 Invited speech,
H. Okuzaki (Yamanashi Univ.)
H. Randriamahazaka (Univ. Paris Diderot, France)
- 12:00-13:00 Lunch
- Session II**
13:00-14:00 Invited speech,
K. J. Kim (University of Nevada, USA)
M. Yamakita (Tokyo Institute of Technology)
- 14:00-15:00 Invited speech,
T. Mitsumata (Yamagata Univ.)
K. Morishima (Tokyo University of A & T)
- 15:00-16:00 Poster Session · Demonstration · Coffee Break
- Session III**
16:00-17:00 Invited speech,
W. Chen (Suzhou Institute of Nanotech and Nanobionics, CAS, China)
I. Kolaric (Fraunhofer IPA, Germany)
- 17:00-18:00 **U. Kosidlo** (Fraunhofer IPA, Germany)
S. Ohtera (Murata Co. Ltd.)
T. Sugino (AIST)
- 18:00-20:00 Welcome Party

Nov.26(Thu)

- Session IV**
10:00-11:00 Invited speech,
M. Shahinpoor (University of MAINE, USA)
K. Guo (Kagawa University)
- 11:00-12:00 Invited speech,
K. Takagi (Nagoya University)
Il-Kwon Oh (Chonnam National University, Korea)
- 12:00-12:20 **M. Biso** (Italian Institute of Technology, Italy)
- 12:20-13:15 Lunch
- Session V**
13:15-14:00 Special lecture
T. F. Otero (Universidad Politecnica de Cartagena, Spain)
- 14:00-15:00 Invited speech,
T. Hirai (Shinshu Univ.)
S. Chiba (SRI International)
- 15:00-15:30 Poster Session · Demonstration · Coffee Break
- Session VI:**
15:30-17:00 Invited speech,
M. Miyata (Osaka City University)
K. Imada (Osaka University)
T. Fujisato (Osaka Institute of Tecnology)

Nov.27(Fri)

- Session VII**
10:00-11:00 Invited speech,
K. Kaneto (KIT)
M. Fuchiwaki (KIT)
- 11:00-12:00 **F. Vidal** (Univ. de Cergy Pontoise, France)
R. Kawamura (RIKEN)
K. Sano (RIKEN)
- 12:00-13:00 Lunch
- Session VIII**
13:00-14:00 Invited speech,
A. Aabloo (Tartu University, Estonia)
J. Mamiya (Tokyo Institute of Technology)
- 14:00-15:00 Invited speech,
S. Tsuchitani (Wakayama University)
T. Yamauchi (Niigata University)
- 15:00-15:30 Poster Session · Demonstration · Coffee Break
- Session IX**
15:30-16:00 Invited speech,
T. Ihara (Suzuka University of Medical Science)
- 16:00-17:20 **J. Torop** (Tartu University, Estonia)
M. Shahinpoor (University of MAINE, USA)
K. Kiyohara (AIST)
K. Asaka (AIST)
- 17:20-17:40 Concluding remarks