

Symposium Program

Invited Keynote Lectures

We are inviting several speakers who are world-wide known for their innovative research in biology, physiology, robotics and so on. Up to now, the following speakers have accepted our invitation. We will update this information on the WEB page.

Cruse Holk	University of Bielefeld, Germany
Robert J. Full	University of California at Berkeley
Aftab E. Patla	University of Waterloo
Rolf Pfeifer	University of Zurich
Naomichi Oghihara	Kyoto University
Hartmut F. Witte	Technical University of Ilmenau

AMAM2003 Exhibition

There will be an exhibition of locomotive robots of the world. Research Institutes, Universities and Private Companies are encouraged to demonstrate their interesting activities in the symposium exhibition room.

Social Events

Opening Party	Tuesday 4 March
Banquet	Friday 7 March
Official Excursion	Saturday 8 March



We will organize an official excursion to **Nara**, which is one of the ancient capitals older than Kyoto, by bus. We have a plan to visit the academic institute relating to AMAM2003 on the route to Nara and to have a lunch in a classic Japanese style restaurant.

International Organising Committee

General Chair: **Kazuo Tsuchiya** (tsuchiya@kuaero.kyoto-u.ac.jp)

Co-Chairs:

Program: **Hiroshi Kimura** (hiroshi@kimura.is.uec.ac.jp)

Publication: **Akio Ishiguro** (ishiguro@cse.nagoya-u.ac.jp)

Exhibition: **Koichi Osuka** (osuka@i.kyoto-u.ac.jp)

Senior Advisors:

Avis H. Cohen (ac61@umail.umd.edu)

Martin Buehler (buehler@cim.mcgill.ca)

Hartmut F. Witte (Hartmut.Witte@tu-ilmenau.de)

P. Blazevic, France

R. Dillmann, Germany

O. Ekeberg, Sweden

M.A. Lewis, USA

J. Hallam, UK

K. Hase, Japan

K. Hosoda, Japan

A.J. Ijspeert, Switzerland

K. Ito, Japan

Y. Kuniyoshi, Japan

F. Matsuno, Japan

F. Mori, Japan

Y. Nakamura, Japan

T. Nomura, Japan

N. Ogihara, Japan

R. Pfeifer, Switzerland

F. Pfeiffer, Germany

R.D. Quinn, USA

G. Taga, Japan

K. Takakusaki, Japan

K. Tsujita, Japan

P.H. Veltink, Netherlands

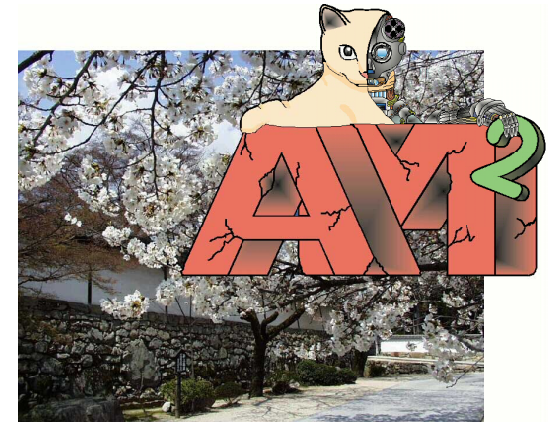
M. Yano, Japan

H. Yuasa, Japan

X. Zheng, Japan

2nd Call for Papers

2nd International Symposium on Adaptive Motion of Animals and Machines



AMAM2003

4-8 March 2003

Kyoto, Japan

<http://www.kimura.is.uec.ac.jp/amam2003/>

Co-sponsorship by *: under negotiation

The Robotics Society of Japan (RSJ)*

The Society of Instrument and Control Engineers (SICE)*

The Institute of Systems, Control and Information Engineers (ISCIE)*



Sponsored by
**The Japan Society for
the Promotion of Science
(JSPS)**

AMAM2003 Symposium

It is our dream to understand principles of animals' surprising abilities in adaptive motion and to transfer such abilities to robots. However, principles of adaptation to various environments have not yet been clarified. Furthermore autonomous adaptation remains unsolved and a seriously difficult problem in robotics. Apparently, the adaptation ability shown by animals and that needed by robots in the real world can not be explained or realized by one single function in a control system and mechanism. That is, adaptation in motion is induced at every level in a wide spectrum from the central neural system to the musculoskeletal system.

We are organizing AMAM2003 for scientists and engineers concerned with adaptation on various levels to collaborate, to discuss myriad principles, and to investigate principles governing total systems.

The number of papers presented during the symposium is small (less than 50) and the meeting is in the form of a single track in order to maximize interaction between participants. Papers should focus on principles of adaptive motion. In addition, new ideas in engineering are also of great interest. The comparison and competition between biologically inspired methods and methods derived from engineering, in view of ability and complexity in adaptation, is important for the future development of novel machines.

Symposium Topics

- + Visual Adaptation Mechanisms of Systems in Locomotion
- + Sensory-Motor Coordination in Locomotion
- + Locomotion of Primates
- + Embodied Intelligence in Locomotion
- + Learning Methods for Adaptive Motion
- + Neuro-Mechanics
- + Adaptive Locomotion
- + Non-linear Dynamics in Locomotion
- + Adaptive Mechanics
- + Modeling and Analysis of Motion
- + Behavior and Motion of Humans and Humanoids
- + Prosthesis, Hemiparesis and Rehabilitation
- + Evolution for Adaptive Motion
- + Technical Development of Mechanism and Control for Adaptive Motion



AMAM2003 Schedule

Four types of possible presentations:

- * Invited keynote presentation
- * Invited tutorial presentation
- * Regular paper presentation
- * Poster presentation

Prospective authors are kindly asked to submit their full-length papers in English (the official language of the symposium) electronically. Electronic submissions should be sent by **15 Oct. 2002**. Six pages are definitely allowed for each paper. Up to two additional pages will be permitted. The paper must be headed as follows:

- Title, type of presentation (regular paper/poster)
- Authors' names, affiliation and address
- E-mail address
- Key words

Please note: **Papers have to be sent by the form of E-mail attachment and the attached file format must be PDF or ps.**

Send papers to: hiroshi@kimura.is.uec.ac.jp

Only high-level contributions will be accepted on the basis of a careful reviewing procedure. The schedule of events will have the following deadlines:

- | | |
|------------------------------------|---------------|
| # Submission of full-length papers | 15 Oct. 2002 |
| # Notification of acceptance | 15 Nov. 2002 |
| # Submission of final papers | 15 Jan. 2003 |
| # Symposium | 4-8 Mar. 2003 |

Further details can be found on the symposium WEB site.

Publication

All presentations will be included in the CD-ROM proceedings. The selected papers from the proceedings will be published by a major academic publisher after the symposium.

Venue

The conference will be held at the Campus Plaza Kyoto at the front of the Kyoto station. Further information can be received at the symposium WEB site.



Symposium Fees

30,000 Yen (Before 15 Jan. 2003)

35,000 Yen (After 15 Jan. 2003)

Students:

15,000 Yen (Before 15 Jan. 2003)

20,000 Yen (After 15 Jan. 2003)



The fees include registration, CD-ROM proceedings, free access to exhibition, refreshments and the book published after the symposium. The fees for the symposium banquet (6,000 Yen) and the excursion lunch (2,000 Yen) are NOT included.

Information

There will be a limited number of available grants for young researchers and students who submitted high quality papers. Please contact with the Program Chairman of AMAM2003 to check this subject.

Exhibition Fees

There will be no extra charge for those willing to show their locomotive robots, that will be registered at the symposium. Please make contact with the co-chairs for more information. The exhibition will be of free access to all AMAM2003 registered attendants.

Accommodation

There will be special symposium prices for a certain number of hotels in Kyoto. Further details can be found on the symposium WEB site as soon as they are available.

Address for Correspondence

Hiroshi KIMURA
Graduate School of Information Systems,
Univ. of Electro-Communications
1-5-1 Chofu-ga-oka, Chofu, Tokyo 182-8585, JAPAN
E-mail: hiroshi@kimura.is.uec.ac.jp
FAX : (+81)-424-43-5682