

Registration Form
Registration fee: FREE

Please return this form with your data to Elisabetta Puzella:
plisa@sssup.it, fax: +39-050-883402
or Hisako Ohta, Secretariat of HRI; Waseda University:
hri@shalab.phys.waseda.ac.jp, fax: +81-3-3208-8714

NAME:

AFFILIATION:

ADDRESS:

TEL:

FAX:

E-MAIL:

Chairs:

Paolo Dario
Scuola Superiore Sant'Anna, Pisa, Italy

Atsuo Takanishi
Waseda University, Tokyo, Japan

Italy-Japan Scientific Committee:

Scuola Superiore Sant'Anna:

Paolo Dario
Eugenio Guglielmelli
Maria Chiara Carrozza
Cecilia Laschi

Waseda University:

Atsuo Takanishi
Hideaki Takanobu

Local Organising Committee:

Hideaki Takanobu, Cecilia Laschi

Language: English and Japanese

Related event: IEEE-RAS International
Conference on Humanoid Robots – Humanoids
2001, Waseda University, November 22-24.

(<http://www.humanoid.waseda.ac.jp/Humanoids2001>)



scuola superiore
Sant'Anna
di studi universitari e di perfezionamento



Waseda University



Italy-Japan 2001 Workshop

HUMANOIDS

A Techno-Ontological Approach

November 21st, 2001

International Conference Center, Waseda
University, Tokyo

<http://www-arts.sssup.it/ItalyinJapan>



www.italjapan2001.it

www.love-italy.net

**Supported by the Italian Embassy in Tokyo, by the
Italian Ministry of Education, University and Research
and by the Italian Ministry of Foreign Affairs**

Workshop Programme

9.00 **Welcome Address:** Prof. Katsuhiko Shirai, *Vice-Rector, Waseda University, Tokyo*

9.15 **Opening Address:** Prof. Riccardo Varaldo, *Director, Scuola Superiore Sant'Anna, Pisa*

9.30 **Welcome Address:** Dr. Angelo Volpi, *Scientific Attaché, Italian Embassy, Tokyo*

9.35 **Morning Opening Lecture**

The Dream of Humanoids in the Homeland of the Innovative Engineers of Renaissance,

Prof. Paolo Dario, *Scuola Superiore Sant'Anna*

10.00 **Session I – Technology**

Chair: Prof. Paolo Dario, *Scuola Superiore Sant'Anna*

10.00 **From Humans to Humanoids,**

Prof. Giulio Sandini, *University of Genova*

10.30 **How can we use "Human Shape" in Humanoid Application?,** Dr. Kazuo Tanie, *AIST*

11.00 **Coffee break**

11.15 **Functional Replacement and Humanoid Robotics: the Fusion of Natural and Artificial Hardware,** Prof. Maria Chiara Carrozza, *Scuola Superiore Sant'Anna*

11.45 **Dental Humanoid Robots,**

Prof. Hideaki Takanobu, *Kogakuin University*

12.15 **Lunch**

A spot on the Humanoid Society:

Exhibition and demonstration of prototypes

13.15 **Afternoon Opening Lecture**

Humanoid Robots and Society in Japan

Prof. Atsuo Takanishi, *Waseda University*

13.45 **Session II – Design**

Chair: Prof. Atsuo Takanishi, *Waseda University*

13.45 **Introduction to Humanoids Design,**

Prof. Eugenio Guglielmelli, *Scuola Superiore Sant'Anna*

14.00 **"Cyclops" - for considering about "intelligent life-likeness",**

Mr. Shunji Yamanaka, *Leading Edge Design Co.*

14.30 **Intelligent Ambient,** Dr. Fabrizio Davide, *Telecom Italia*

15.00 **Designing the humanoid for personal and artistic use,** Dr. Hiroaki Kitano, *Sony CSL*

15.30 **Coffee Break**

15.45 **Session III – Philosophy**

Chair: Prof. Paolo Dario, *Scuola Superiore Sant'Anna*

15.45 **From Artificial Body to Artificial Mind,**

Prof. Vincenzo Tagliascio, *University of Genova*

16.15 **What is So-called "Mind" in Robot?,** Prof. Masao Kurosaki, *Tokyo Women's Christian University*

17.00 **Techno-Ethics: Acceptability and Social Integration of Artificial Creatures,** Prof. Don Josè Galván, *Pontifical University of the Holy Cross, Vatican State*

17.30 **Congratulatory Address:** Prof. Takayasu Okushima, *President, Waseda University*

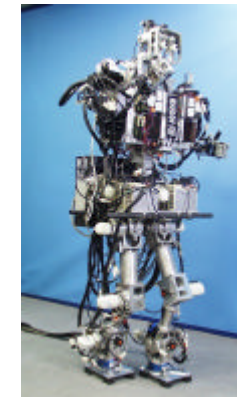
17.45 **Panel Discussion (all speakers): Analogies and Differences between Italy and Japan on the Opportunities and Acceptability of Humanoid Robotics**

18.45 **End of the Workshop**

Humanoid Robotics is the challenge for Robotics Research in the Third Millenium.

The problems posed by the development of Humanoids require a wide multidisciplinary approach, including philosophical, cultural and ethical considerations.

The Italy-Japan 2001 Workshop on Humanoids: A Techno-Ontological Approach



aims at outlining the current achievements and the perspectives of Humanoid Robotics research in Italy and in Japan, by comparing the approaches adopted in the two countries, and aims at animating a cultural discussion on the philosophical, ethical and design issues related to the development of Humanoid

Robots, which can establish a solid theoretical base for further research in the two countries.

The central theme of the workshop, fitting the whole 'Italy in Japan 2001' theme of the Italian Renaissance, is the 'Renaissance Engineer', intended as a model of engineer, highly inter-disciplinary, poorly focused on specialization, open to cultural fertilizations, as typical in the Italian academic tradition, not strictly oriented towards the technical knowledge, but able to use in design the investigation and synthesis tools provided by humanities, as the new Renaissance Engineer of the Third Millenium.

