



Italy in Japan 2011

Science, Technology and Innovation

In collaboration with



Celebrating Italy 150

Wishing the Recovery of Japan

WELFARE
FUTURE CHALLENGES
Converging to get over the ditch

11th November 2011 Osaka, Japan

PRESIDENT

Luigi Romani

Italian Institute of Culture - Osaka

ORGANIZING COMMITTEE

Micro Cogeneration from Renewable Biomass
and Waste

Francesco Fantozzi University of Perugia

Claudio Capiglia Recruit R&D

Ruggero Micheletto Yokohama City University

Shigeo Mutou Da Vinci Museum Network

Alberto Mengoni Italian Embassy in Tokyo

Italian Biotech in Japan 2011

Paolo Di Nardo University Rome Tor Vergata

Alessandro Sidoli Assobiotech

Yoshihiro Yoneda Osaka University

LOCAL ORGANIZATION COMMITTEE

Claudio Capiglia Recruit R&D

Yoshiki Sawa Osaka University

GENERAL SECRETARY

Noriko Inoue Osaka University

(Main Hall, 3F)

Welcome Address

10:00 - 10:10 Mario Andrea Vattani , Consul General of Italy

Special Remarks

Chairperson: Luigi Romani (Italian Institute of Culture)

10:10 - 10:20 **Wishing the Recovery of Japan**
Fiorenzo Galli, Museo Da Vinci (Italy)

Keynote Lecture

Chairpersons: Ruggero Micheletto (Yokohama City University)

10:20 - 11:00 **Racing powertrain knowhow can support the development of new technologies for sustainable living**
Claudio Lombardi, Advanced Technology Partner S.r.l. (Italy)

I. New Models for Sustainable Energy and Material Production

Micro Cogeneration from Renewable Biomass and Waste

Chairperson: Francesco Fantozzi (Perugia University)

11:00 - 11:20 **Lecture and overview on micro-cogeneration from biomass and waste in Italy**
Francesco Fantozzi, Perugia University (Italy)

11:20 - 11:40 **Sustainable Flow of Lignocellulosics from Forest to Chemical Industries** ⁻ Future Industrial Network
Masamitsu Funaoka, Mie University (Japan)

11:40 - 12:00 **Oil alternative energy " BTL Tori Generation System " with Biomass Gasification and Fuel (BTLS) synthesis**
Yoshiro Hashimoto, Chairman of Micro Energy Co., Ltd. (Japan)

Chairperson: Claudio Capiglia, Recruit R&D

12:00- 12:20 **Development of Making Bio-coke Technology for next generation**
Tamio Ida, Kinki University (Japan)

12:20 ⁻ 12:40 **Small size system for biomass energy conversion based on IRP technology**
B. d' Alessandro Bionet S.r.l. (Italy)

(Conference Room, 2F)

Luncheon Special

12:40 - 13:10 Video Message provided Italian Institute of Culture:

13:10 - 13:40 Break

(Main Hall, 3F)

Chairpersons: Alberto Mengoni (Italian Embassy in Tokyo)

13:40-14:30 **Micro hydropower development : Wisdom of Leonardo da Vinci comes alive in the present**
Hideaki Mimura, Tanaka Suiryoku, Co., LTD (Japan)

II. Future Biotechnologies in Health Science

Innovative High-Value Technologies for Life Sciences

Chairpersons: *Paolo Di Nardo, University (Rome Tor Vergata)*
Yoshiki Sawa (Osaka University)

14:30 – 14:50 **The Italian Biotech Industry in Japan 2011: Potential and Future Strategies**
BioLink Institute (Italy)

14:50 – 15:10 **Biomaterials. More than a mere mechanical support**
Roberto De Santis, Consiglio Nazionale delle Ricerche (CNR) (Italy)

15:10 – 15:30 **The realization of a new kind of nano-meter sensitive laser microscope**
Ruggero Micheletto, Yokohama City University (Japan)

15:30 – 15:50 **Tissue Engineering: Preparing the Future of Medicine**
Paolo Di Nardo, Rome Tor Vergata University and BioLink Institute (Italy)

15:50 – 16:10 **Manufacturing of cell sheet for clinical application**
Masahiro Kino-Oka, Osaka University (Japan)

16:10 – 16:20 **Break**

What Do Innovative Technologies Bring Us for Sustainable Living?

Chairperson: *Paolo Di Nardo (Rome Tor Vergata University), Kenji Yamada (Osaka University)*

16:20 – 16:40 **Shaping out the future smart city for a better society**
Claudio Capiglia, Italian Institute of Technology (Italy)

16:40 – 17:00 **Video (Travel around Italy)**

17:00 – 17:40 **Outcome from the Italian-Japanese Collaboration on Molecular Pharming: Potential and Future Strategies**
Successful research collaboration with ENEA after "Italian Spring 2007 at Osaka"
Kazuhito Fujiyama, Osaka University (Japan)

Development of hydroponic culture systems in plant production system with artificial lamp alone
Yasushi Tasaka, Shin-ichiro Jo, Noriko Icchouda, Noriko Tabayashi, Kouki Matsuo and
Takeshi Matsumura
Plant Molecular Technology Research Group, Bioproduction Research Institute,
National Institute of Advanced Industrial Science and Technology (AIST). (Japan)

17:40 – 18:00 **New development on Molecular Pharming with Japan**
Marcello Donini, Ente per le Nuove Technologie, l'Energia e l'Ambiente – ENEA (Italy)

Concluding Statement

Paolo Di Nardo, University Rome Tor Vergata

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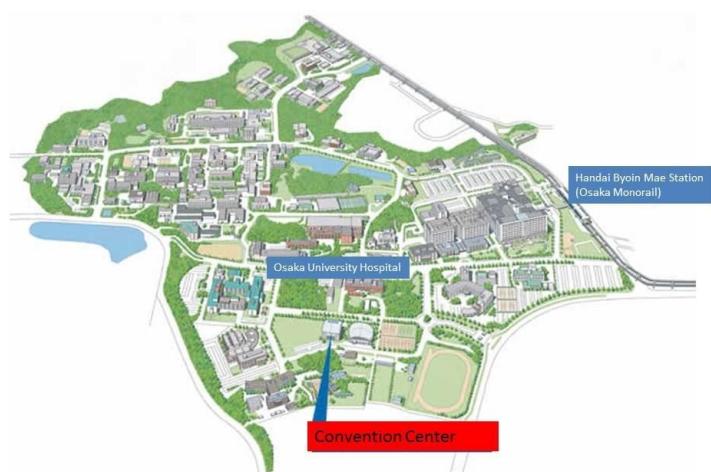


Ministero degli Affari Esteri

PARTNERS



CONFERENCE VENUE



Osaka University Convention Center
<http://www.osaka-u.ac.jp/en>

CONTACT INFORMATION

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History of the Workshop

- Italian Spring in Japan ,Workshop “The challenge of Biotechnologies” in 2007
- Italy - Japan,Joint Workshop NEW ERA OF BIOTECHNOLOGY, “Does International Networking Bring Innovation?” in 2009