

# TokyoTech OCW WG and Japan OCW Consortium

Prof. MAKOSHI, Nobuyasu

Global Scientific Information and  
Computing Center (GSIC)

Tokyo Institute of Technology (Tokyo Tech)



# MAKOSHI, Nobuyasu

Tokyo Institute of Technology

- Global Scientific Information and Computing Center
  - Advanced Computing and Education Infrastructure Division
    - Distance & Multimedia Education Group
- Graduate School of Decision Science and Technology
  - Department of Human System Science
- Foreign Language Research and Teaching Center

# Global Scientific Information and Computing Center

## Information Infrastructure Division

1. Information Networking Group
2. Information Storage and  
Application Group

## Advanced Computing and Education Infrastructure Division

1. Problem Solving Environment  
Group
2. Distance & Multimedia Education  
Group

## Global Scientific Collaboration Division

- Global Collaboration  
Activity Group
- Collaborative  
Research Group

- A Brief History of Japan OCW Consortium
- About TokyoTech OCW
- JOCW
  - Barrier or Problems to overcome

# A Brief History of Japan OCW Alliance

Prof. Nobuyasu Makoshi

Global Scientific Information and Computing  
Center (GSIC)

Tokyo Institute of Technology (Tokyo Tech)

# Introduction

- In this presentation, we introduce a brief history of Japan OCW Consortium, made up of loosely coupled multiple universities, focusing on how such an alliance is organized

# A bit of History (1/3)

- Press Conference on MIT OpenCourseWare
  - April 4, 2001
- Visited MIT (Joined the NIME's study tour to MIT OCW)
  - May 2002
- GSIC of Tokyo Tech held an International Symposium, whose main theme was MIT OCW
  - June 2002
- Asked to be an early tester of MIT OCW (by the recommendation of Prof. Miyagawa)
  - September 2002
- Had a telephone interview from MIT OCW (by the recommendation of Prof. Miyagawa)
  - January 2003

# A bit of History (2/3)

- Invited Prof. Shigeru Miyagawa as a visiting professor at GSIC
  - June 1 - August 31, 2004
- GSIC and School of Engineering of Tokyo Tech coheld an invited lecture by Prof. Miyagawa
  - July 2004
  - GSIC Invited Lecture No .1, 2004

# A bit of History (3/3)

- MIT OCW Consortium WG (later became Japan OCW Consortium), which consists of four candidate universities, was held at Tokyo Tech
  - Tokyo Tech, Keio University, University of Tokyo, and Waseda University
  - August 2004
- Prof. Miyagawa contacted candidate universities during his stay in Japan
  - President and four executive vice presidents successively meet Prof. Miyagawa during his visit at Tokyo Tech
  - President and some executive vice presidents meet Anne H. Margulies, the executive director of MIT OCW, at Tokyo Tech
    - August 2004
    - GSIC Invited Lecture No .2, 2004

# How Japan OCW Alliance is inaugurated? (1/2)

- MIT initially thought selected US universities, CORE (Chinese Open Resource for Education), and some organizations from Europe as founding members of OCW consortium
- **Japanese universities were not considered as initial partners!**
- *So, why Japan OCW Alliance exists now?*

# How Japan OCW Alliance is inaugurated? (2/2)

- Prof. Miyagawa, a MIT OCW advisory board member, suggested to consider Japanese leading universities as OCW consortium members, and the suggestion was accepted
- His initial plan was to incorporate Japanese four universities

# Initial Contact Points of Candidate Universities (1/2)

- Keio University
  - Acquainted with Prof. Sugiyama (Director, Information Technology Center)
- Tokyo Institute of Technology
  - Acquainted with Prof. Makoshi
- The University of Tokyo
  - Charles M. Vest (President Emeritus, MIT) was acquainted with Prof. Sasaki (Former president)
- Waseda University
  - Directly contacted key persons

# Initial Contact Points of Candidate Universities (2/2)

- Osaka University
- Kyoto University
  - Prof. Sakai, Director of GSIC,  
mediated between Prof. Miyagawa and  
both university key persons

# Difference between MIT OCW and Japan OCW Consortium

- MIT OCW
  - Need to publish all courses
  - Time schedule is limited (by 2008)
- Each university of Japan OCW Consortium
  - Needs to publish at least 10 courses
  - Does not have any obligations to publish all courses both in the mid- and long-term

# Japan OCW Consortium Founding Members

- The Japan OCW Alliance (JOCW) was founded on May 13, 2005 by six top-ranking Japanese universities



Keio University/



Kyoto University



Osaka University



Tokyo Institute of Technology



University of Tokyo

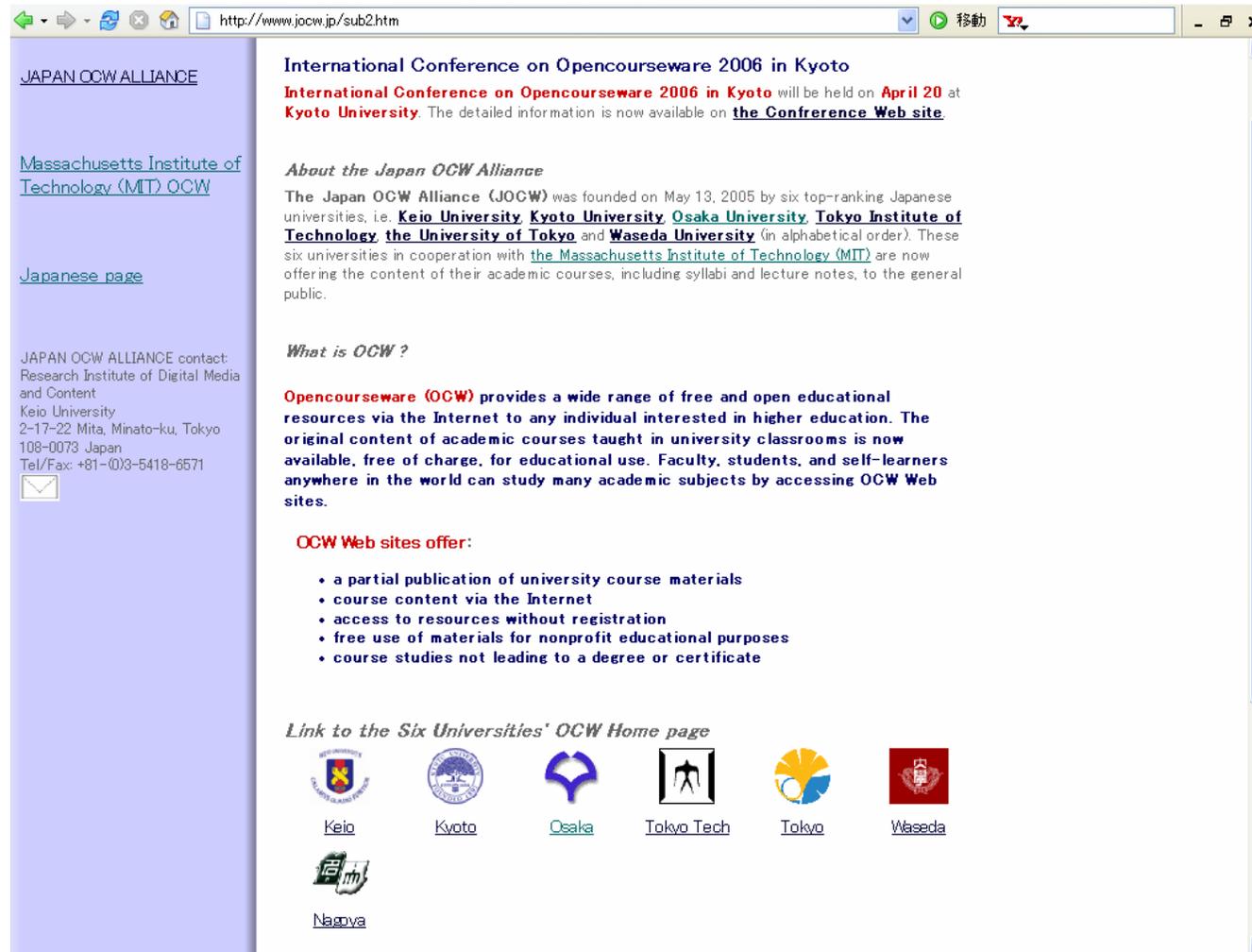


Waseda University

*(in alphabetical order)*

# Japan OCW Consortium Website

<http://www.jocw.jp/>



[JAPAN OCW ALLIANCE](#)

[Massachusetts Institute of Technology \(MIT\) OCW](#)

[Japanese page](#)

JAPAN OCW ALLIANCE contact:  
Research Institute of Digital Media and Content  
Keio University  
2-17-22 Mita, Minato-ku, Tokyo  
108-0073 Japan  
Tel/Fax: +81-(0)3-5418-6571

[International Conference on OpenCourseware 2006 in Kyoto](#)  
**International Conference on OpenCourseware 2006 in Kyoto** will be held on **April 20** at **Kyoto University**. The detailed information is now available on [the Conference Web site](#).

*About the Japan OCW Alliance*

The Japan OCW Alliance (JOCW) was founded on May 13, 2005 by six top-ranking Japanese universities, i.e. [Keio University](#), [Kyoto University](#), [Osaka University](#), [Tokyo Institute of Technology](#), [the University of Tokyo](#) and [Waseda University](#) (in alphabetical order). These six universities in cooperation with [the Massachusetts Institute of Technology \(MIT\)](#) are now offering the content of their academic courses, including syllabi and lecture notes, to the general public.

*What is OCW ?*

**OpenCourseware (OCW)** provides a wide range of free and open educational resources via the Internet to any individual interested in higher education. The original content of academic courses taught in university classrooms is now available, free of charge, for educational use. Faculty, students, and self-learners anywhere in the world can study many academic subjects by accessing OCW Web sites.

**OCW Web sites offer:**

- a partial publication of university course materials
- course content via the Internet
- access to resources without registration
- free use of materials for nonprofit educational purposes
- course studies not leading to a degree or certificate

*Link to the Six Universities' OCW Home page*

 [Keio](#)  [Kyoto](#)  [Osaka](#)  [Tokyo Tech](#)  [Tokyo](#)  [Waseda](#)

 [Nagoya](#)

# Japan OCW Consortium (JOCW) Activities

- JOCW held a joint press conference at Hotel New Otani in Tokyo
  - May 2005
- Having regular meetings
  - The first meeting was held at Tokyo Tech
  - The second meeting was held at Keio University
  - The third meeting was held at University of Tokyo
  - The fourth meeting was held at Keio University
  - ...
- Participated in the 2nd OCW Consortium meeting at Utah State University
  - September 28 - 29, 2005

# New Members to Come

- More members are ready to launch



Kyushu University

- <http://ocw.kyushu-u.ac.jp/>



Nagoya University

- <http://ocw.nagoya-u.jp/>



Hokkaido University

- Coming soon!

# National Institute of Multimedia Education (NIME)

- a plenty of information
- IP (intellectual property)
- an organizer
- the hub

# TokyoTech OCW

# TokyoTech OCW WG 01 for Collaboration with Japan OCW Consortium and Solution of IP Problems

- Vicepresident for Education
- Assitant of Vicepresident  
for Education
- 4 Advisers
  - Director of GSIC (CIO)
  - Leader of COE 21 LKR
  - Prof. of CRADLE  
(Center for Research and  
Development  
of Educational Technology
  - Vicedirector of Office of  
Industry Liaison
- Members of WG
  - Chair: Prof. Makoshi
  - Others from
    - GSIC (Network,  
Database, Mobile)
    - CRADLE
    - Communications and  
Integrated System
    - Human System Science
    - Information Science  
and Engineering
    - Committee for IT  
Literacy Education

# TokyoTech OCW WG 02

- For Developing of OCW\_contents\_upload\_system and harmonizing with other Campus Network Systems.
- 6 Members
  - Chair : Prof. Majima (Eelectronic)
    - Committee for Educational Policy
  - Assitant of Vicepresident for Education
  - Others from
    - GSIC (Database, Network, Mobile)
    - Chemical Engineering

# JOCW

## Barrier or Problems to overcome

- various dimensions
  - cost, budget, found, ... money
  - human factors
  - consciousness
  - system of management at university
  - anxieties

# cost, budget, found, ... money 1/4

- or to express more exactly
  - lacking budget, ...
- finance of universities, especially the ex-national universities in Japan, is becoming tighter from year to year
- there is not yet a CIO at Japanese universities
- top of university does not recognize IT

# cost, budget, found, ... money 2/4

- top of university thinks
  - with IT we can manage university with less budget, ...
- top of university does not think
  - after the initial investment in the first fiscal year, in the following years some money is required for the sustainability

cost, budget, found, ... money 3/4

- e-learning requires more budget than many people usually estimates

# cost, budget, found, ... money 4/4

- because of the history and taxation-system, for universities in Japan it is difficult to get money from the foundations

# human factors 1/3

- concerning
  - re-training of the staff
    - we are lacking an large amount of people who can bridge between teaching faculty and IT technology

# human factors 2/3

- concerning
  - skills of presentation
    - Japanese university teachers are lacking experience in presentation
  - making digital contents

# human factors 3/3

- concerning
  - IP (Intellectual property)
  - we have some experience in IP for industry liaison
  - but we have scarcely experience in IP(Intellectual Property) when we try to disseminate digital educational contents via Web

# consciousness 1/3

- university top welcomes IT
  - because they think
    - IT can economize budget
    - IT can reduce the number of teachers
  - in reality
    - it requires more initial investment and more budget for maintenance

# consciousness 2/3

- faculty should be more conscious
  - IT can enhance the quality of Higher Education

# consciousness 3/3

- the university staff shows often allergy rereaction against the introduction of IT

# system of management 1/4

- only few Japanese universities has not yet a real CIO

# system of management 2/4

- in relation to other on campus information systems
  - network infrastructure
  - campus computing system
  - campus wireless LAN system
  - UPKI system
    - university public key infrastructure
  - and so on

# system of management 3/4

- in relation to other on campus information/network systems
  - e-learning
  - LMS  
learning management system
  - CMS  
contents management system

# system of management 4/4

- in relation to other on campus information/network systems
  - University Library

# discrepancy

- between
  - (a) national strategy of Japan
    - Japan will survive with science and technology in the 21st century
  - (b) tendency in the young generation
    - from year to year fewer young people like to study science and technology

# anxieties

- M&A among the universities in global scale
  - as M&A in the industry

although why OCW ?

# information disclosure

- without information disclosure
  - universities can not survive in the 21th century
  - because
    - for example
      - Japanese universities are now like à la recherche du patron perdu

# OCW as a Disclosure

- OCW is a sort of university information disclosure

# limited capacity of each university

- 21th century is a century of Global Competition also in Higher Education
- but
  - Collaboration and Co-use among universities are necessary
  - for example :
    - concerning IP (Intellectual Property)

# unexpected effects at Tokyo Tech 1/2

- from
  - each other un-related systems on campus
- to
  - a integrated information sytem

# unexpected effects at Tokyo Tech 2/2

- Tokyo Tech STAR Project
  - OCW for education
  - ORR for research
    - open research repository
  - OMR
    - open museum repository

# OCW as Open Educational Resources movement

- final goal of OCW is
  - to create on Web a huge scale of a free of charge repository of Higher Educational materials
  - and to create Consortia
    - which make possible to localize and to use those materials in local area

# OCW as a dream of the human being

- in a sense
  - the OCW is for us a dream
    - if the human being can survive the 21th century

A photograph of a path lined with cherry blossom trees in full bloom, with the text "Thank you very much for your attention!" overlaid in the center. The path is paved and has a yellow line down the middle. The trees are in full bloom, with many small pink and white flowers. The sky is blue with some light clouds. The overall scene is bright and cheerful.

Thank you very much for  
your attention!

