Tokyo Tech OCW WG and Japan OCW Consortium

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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

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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 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
- Assistant 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_up load_system and harmonizing with other Campus Network Systems.
- 6 Members
  - Chair: Prof. Majima (Electronic)
    - Committee for Educational Policy
  - Assistant 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
• 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 reaction 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 likes 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 system
unexpected effects at Tokyo Tech 2/2

- TokyoTech 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 21st century
Thank you very much for your attention!