Outline:

Kyoto University hosted the first Web Technology Workshop on November 25 and 26, 1998. Such a workshop had been proposed at the 3rd Annual General Meeting held in October 1997 at the Pohang University of Science and Technology (POSTECH).

The Workshop was organized by Professor IKEDA Katsuo (Convener), the Dean of Informatics at Kyoto University, and Professor TOMITA Shinji (Program Chair), the Director of the Center for Information and Multimedia Studies, with the assistance of several Kyoto University researchers.

A total of 82 participants from 11 of the 17 AEARU member universities joined in the two-day Workshop. Topics focused on Web Technology, High Performance Networking, Navigation in Cyber Space, Application of Web Technology to Research and Education, and Distance Learning. Fourteen papers were presented in three organized sessions: Web Systems, Educational Environment, and Networking.

At the opening session, the keynote speech was given by Dr. NAGAO Makoto, the President of Kyoto University, on the subject of "Digital Library and Campus Network Systems." The speech was accompanied by a demonstration of the Digital Library System. All presentations vividly reflected state-of-the-art applications of Web Technology to particular research fields, as well as to general education and research at each university.

The participants had lunch at the Seifuso Villa, built by the Tokudaiji Family in 1732 and donated to Kyoto University in 1944. The garden, one of the best in Kyoto, is designated as an "Important Cultural Monument". Participants visited the University's Center for Information and Multimedia Studies, which has Open-space Laboratories and systems for Teaching Materials Development, CALL, and Distance Learning.

As a whole, the first Web Technology Workshop was successful in identifying potential areas and means for productive collaboration, the objective decided at the 2nd Annual General Meeting in Tokyo. For details of each presentation refer to the proceedings of the First Web Technology Workshop, which has been sent to the President and to the Web Technology Workshop contact person of each member university.

At the Steering Meeting of the Web Technology Workshop, held at the Seifuso Villa at noon on the first day, it was unanimously resolved that the Korea Advanced Institute of Science and Technology (KAIST) would host the Second Web Technology Workshop in 1999.

Organization:

Convener:
IKEDA Katsuo Dean, Graduate School of Informatics
Kyoto University

Program Chair
TOMITA Shinji Director, Center for Information and Multimedia Studies
Kyoto University

Task Force
KO Ping Keung Hong Kong University of Science and Technology (HKUST)
KANG Kyo Chul Pohang University of Science and Technology (POSTECH)
LIN I-peng Taiwan University
Program - November 24 (Tue.)

09:00 Registration
10:00 - 10:15 Opening
10:15 - 11:15 Keynote speech and demonstration: Digital Library and Campus Network System
Makoto Nagao, President of Kyoto University
11:30 - 13:00 Lunch, Steering Meeting

Web Systems
13:00 - 13:40 Virtual Reality Based Web and the Implementation of its Application System
Wu Jie, Zhang Shiyong and Wu Chengrong
Fudan University
13:40 - 14:20 Web Agent and its Application in Campus Computing
Wang Shun Quing (Cancelled)
Fudan University
14:20 - 15:00 Net-Compass, A Search Engine for Chinese Web Pages
Zhang Li and Li Xing
Tsinghua University
15:00 - 15:10 Coffee Break
15:10 - 15:50 SALSA, A Multilingual Speech-Based Web Browser
PASCAL FUNG, CHEUNG Chi Shun, LAM Kwok Leung, LIU Wai Kat, LO Yuen Yee and MA Chi Yuen
HKUST
15:50 - 16:30 How to Discover Web Pages by Mondou
Hiroyuki Kawano
Kyoto University
16:30 - 16:50 Invitation to Center for Information and Multimedia Studies,
Shinji Tomita
Kyoto University
17:00 - 18:30 Visit to the Center
19:00 Reception (Holiday Inn Kyoto)

Program - November 25 (Wed.)

Educational Environment
08:50 - 09:30 Video Content Processing for Audiovisual Education
Yuichi NAKAMURA and Yuichi OHTA
University of Tsukuba
09:30 - 10:10  Remote Learning System in Kyoto University
Masahiro Araki, Michihiko Minoh and Katsuo Ikeda
Kyoto University

10:10 - 10:30 Coffee Break

10:30 - 11:10 Towards an Evolution in University Education with Web Technology
Jun-ichi NAKAMURA (Cancelled due to health problem)
Kyoto University

11:10 - 11:50 MEDUSA: A New Web-Based Educational Environment Constructed by Formalized Meta-Information
Kyo C. Kang, J. Won-Ki Hong, Hyun S. Choi and Jae H. Park
POSTECH

11:50 - 12:30 Design and Implementation of Media Synchronization and Data Mining Mechanisms for Network Education
Wen-Jeu Lu and Ming-Syan Chen
Taiwan University

12:30 - 13:30 Lunch
 Networking

13:30 - 14:10 Web-based Workflow System for Electronic Commerce Using Smart Card Technology
Patrick C. K. Hung and Kamalakar Karlapalem
HKUST

14:10 - 14:50 JdWeb: A Proxy Server for Intranet/Internet Database Application Development
Hongjun Lu (HKUST) and Quan Xia National University of Singapore

14:50 - 15:30 Adaptive Flow Control and Recovery Schemes for Real-time Stored MPEG Video Transport over Internet
Yeali S. Sun, Fu-Ming Tsou
Taiwan University, and Meng Chang Chen
Institute of Information Science, Academia Sinica

15:30 - 15:50 Coffee Break

15:50 - 16:30 Building the Performance Model of Web Server and the Application to Performance Evaluation of Web Systems
Yasuyuki FUJITA, Masayuki MURATA and Hideo MIYAHARA
Osaka University

16:30 - 17:10 High Performance IP/ATM Network KUINS-II in Kyoto University
FUJIKAWA Kenji and OKABE Yasuo
Kyoto University

17:10 - 17:50 Ninflet:: a Migratable Parallel Objects Framework using Java
Hiromitsu Takagi, Nagoya Institute of Technology
Satoshi Matsuoka, TiTech,
Hidemoto Nakada, Satoshi Sekiguchi, Electrotechnical Laboratory
Mitsuhisa Satoh, Real World Computing Partnership and Umpei NAGASHIMA, Ochanomizu University

17:50 Closing

 Participating Universities

• Fudan University
• HKUST
• KAIST
• Kyoto University
• Osaka University
• POSTECH
• Taiwan University
• TiTech
• Tsinghua University
• University of Tokyo
• University of Tsukuba