

Summary notes for “The Future of Global Education in Standards” or “1<sup>st</sup> International Committee for Education about Standardization (ICES) Meeting” at Tokyo, February 6-8, 2006

Submitted by Toshiaki Kurokawa, February 27, 2006

**Place:**

Hitotsubashi University Collaboration Center (HCC), Room 1004, Marunouchi Building, 2-4-1, Marunouchi, Chiyoda-ku, Tokyo, Japan 100-6324

**Participants:**

China:

Dennis Ding, Standard Strategy Manager, Sun Microsystems

Japan:

Kim Jung Hoon, Associate Professor, Research Institute for Digital Media and Content, Keio University

Shun Ishizaki, Professor, Faculty of Environmental Information, Keio University

Yushi Komachi, Director, Research and Development Laboratory, Panasonic Corporation.

Shiro Kurihara, Professor of Economics, Hitotsubashi University;

Toshiaki Kurokawa, CSK Fellow, CSK Holdings Corporation & Affiliate Fellow, NISTEP

Tsuneo Matsumoto, Professor of Law, Hitotsubashi University;

Korea:

Dan-Bee Kim, Research Analyst, Industrial Standards Institute, Korean Standards Association

The Netherlands:

Henk J. de Vries, Associate Professor, RSM Erasmus University

Tineke M. Egyedi, Senior Researcher Standardisation, Delft University of Technology

Singapore:

Robert Chew, Partner, Accenture PLC. and Chairman, IT Standards Committee of Singapore

United States:

John Hill, Standards Manager, Sun Microsystems

Donald E. Purcell, Chairman, The Center for Global Standards Analysis, The Catholic University of America

Hosted by:

Sun Microsystems, CSK Holdings, Information Technology Standards Commission of

Japan(ITSCJ)

Assistants:

Yukiko Kamijo, Assistant Professor, Patent Attorney, Research Institute for Digital Media and Content, Keio University

Megumi Kurokawa, Student, Waseda University

**Feb. 6, 18:00-20:00**

Reception is held at the meeting place.

Mayumi Mita, Secretary General, Information Technology Standards Commission of Japan joined the reception with other participants.

John Hill presented gifts to our assistants, Yukiko Kamijo and Megumi Kurokawa.

**Feb. 7, 9:00-17:30 Meeting; Day 1.**

Mr. Motohide Konaka (Director-General, NISTEP), Ministry of Education, Culture, Sports, Science and Technology, Japan, opened the meeting with his greeting speech (001). He emphasized basic research and education citing U.S. President G. W. Bush's annual State of the Union Message to Congress.

Keynote Speech(002) by John Hill is chaired by Shiro Kurihara:

Good discussions followed his presentations such as why the standard success is unnoticed.

Some basic questions were given such as the difference between Education about Standards and Education about Standardization.

Discussion about how the standard committees are failing is lead by Don Purcell. He pointed out in 1960s no problems exist because of the simple structure of the industry. Now we have more than 250 Consortia.

Tsuneo Matsumoto pointed out the importance of End-User involvement.

It is pointed out terminology is still the problem within the communication and reflects the need for standardization.

Presentation of Participants, chaired by Shiro Kurihara:

Toshiaki Kurokawa: Developing Human Resources for International Standards - looking back and beyond – (002&016)

Kurokawa emphasized about innovation and de Vries pointed out he is preparing an article in ISO Focus and in a chapter of his textbook. Purcell pointed out the US standards preface also carries innovation as a purpose.

Henk de Vries: Standardization Education (004)

Participants are impressed by the extensive contents of his talk.

Discussions go whether standardization is an art?

Needs identification is necessary.

Business Leadership course was impressive.

Asia-Link includes 7 universities in Asia. WTO has affected much to Asian countries.

Current supply-side standards and the new need of demand-side standards are discussed.

The differences among countries are recognized.

Status and education of Standards Professionals are discussed even though in the engineering fields, "standards" is a subject of requirements.

The situation of Standards Professionals within private companies is also discussed.

Mostly, even in a large corporation like Philips, standard group is very small. Elevator theory of developing standards was mentioned.

These days, standards are related to liability problems.

How to teach standards depends mostly on teacher/instructors.

As for course materials, for example, Asia Link documents will be copyrighted by U. of Hamburg. We wonder how we can make free availability when how much workload is necessary to the production of the course materials.

Education system is discussed. Some attitude has changed.

Very wide range of interested parties/stakeholders bring the difficulties of education about standards/standardization.

Don Purcell: The Strategic Value of Standards Education (007,008)

Value of teaching standards/standardization was discussed. De facto standards may hide the need for education.

Standards may have an analogy to toll bridge, toll as participating, toll as price.

Some Standards Developing Organizations are promoting education such as ASTM's free students membership, IEC's 10K\$ efforts, Canadian SCC set up Research group on standards education, SES's education support both in Canada & US.

For ABET, a measurement about standard education will be done later this year.

Properties of standardization education are discussed such as: Procedures & due processes: fairness, openness, transparency...

Skill development in multidisciplinary environment is a challenge.

Yushi Komachi: Overview of SEISA(010)

Komachi-san has engaged IEC and ISO/IEC JTC1 SC34 other than CICC reported here.

He went Nepal and Mongolia.

There are other ISO Regional Seminars such as Swedish SEDA and German company participates.

Locomotive theory within Asian is discussed.

After these educations were done through 2000-2004, multi-lingual standards development projects are supported. This is a good approach other than formal college/university education.

Extensive discussions go about Japanese systems. How the Governments while private companies cooperates.

Banquet was held at Mimi, 18:30-21:20

**Feb. 8, 9:00-16:00 Meeting; Day 2.**

Robert Chew: ICT Standards in Singapore(011)

In Asia, heavy competition on ICT. For Broadband, Korea and Japan leads, Singapore behind.

SPRING has copy charge on standards documents.

While Singapore is mostly interested in the adaptation and use of standards, it also participates in standards development in areas identified as important to ICT development in Singapore such as smart cards, IT security and biometrics.

Dennis Ding: Education of Standardization in China(006)

“Secondary Education” means middle high school + Junior in college.

Standardization and Law are popular with IPR(Intellectual Property Rights) focus.

Zhongnan University awards MBA & SSA certification in MOE.

Professional standardizers have positions in CSA and other universities.

Dan-Bee Kim: Standards Education in KOREA – University Education Program – (009)

This is a well-anticipated and highly evaluated presentation.

Plan is to expand this to junior high schools.

She told us that at the beginning, KSA was wondering if this attempt can succeed. The success seems more than they forecasted.

She took personal effort to find out instructors, visit classes, and talked with students. Her efforts may be the key of the success.

After the textbook was published in 2005, evaluation and satisfaction rates has risen much.

Field Trip is one of selling point to students, which is confirmed by Don Purecell's citation of INCITE case where students are invited to attend WGs.

Even though the first year, most lecturers were skeptical, but after the course, they became positive.

Invitation to the International Workshop for best practice on Standards Education is well accepted, but there is a conflict in dates with EURAS conference in Germany.

Tineke M. Egyedi: IEC Lecture(012) & EURAS(013)

Attention was drawn to the IEC Centennial, which formed the occasion for the IEC lecture developed in Delft, a lecture that is to be freely used by everyone once finished. The aim of lecture, its audience, current draft status and contents were briefly discussed.

The second short presentation explained why the European Academy for Standardization (EURAS) values this meeting, and what activities EURAS members are undertaking and are planning to undertake on education. A playfull plan is to issue a book like "Standardization for Dummys".

Problems are time and funding, and speed, and how to make demand.

End of presentation

Brain Storming and the settlement of Agreements chaired by John Hill

Don Purcell proposed the name: International committee for education about standardization (ICES) and to continue the effort.

John Hill disclosed there are two offers for future meetings: one in Europe, the other in US. Due to the number of people who wants to but cannot make a trip for this meeting, we decided that next one should be in Europe, and in 2008, in US.

We welcome the opportunities to tell others of this ICES's work such as in Korea, in Germany and in China.

We came to the following agreements after the extensive wordsmithing:

- We name this group as "International committee for education about standardization (ICES)"
- We agree that "education about standardization globally" is a subject worth

pursuing.

- We agree to share knowledge and experiences.
- We agree to meet once a year.
  - Next meeting will be in the 1st week of February 2007 in Delft in Netherlands (tentative).
  - Tineke M. Egyedi and Henk J. de Vries are co-chairs and organizers of the next ICES meeting
- Inform interested parties of ICES at related conferences such as:
  - Seoul, Korea in June (dates will be posted by Kim)
  - Hamburg, Germany in June 6-8 (EURAS Workshop)
  - Beijing, China in August (Asia-Link)
- Until 2007 meeting
  - Distribution of presentation materials (Hill) – already done as of Feb. 14
  - Body of Knowledge on education about standardization (Purcell)
  - Administration towards 2008 with Mary Saunders (Hill/Kurokawa)
  - Publicity (de Vries)

All participants appreciated that this meeting was a success than expected. They also expressed that the support was very good and appreciated the efforts made by organizers and sponsors of this meeting.