


MEDINFO 2004 Workshop: Standard of Health Informatics What is going on and what it helps



Ed Hammond US perspectives

Yun-Sik Kwak

ISO TC215, APAMI, Korean perspectives

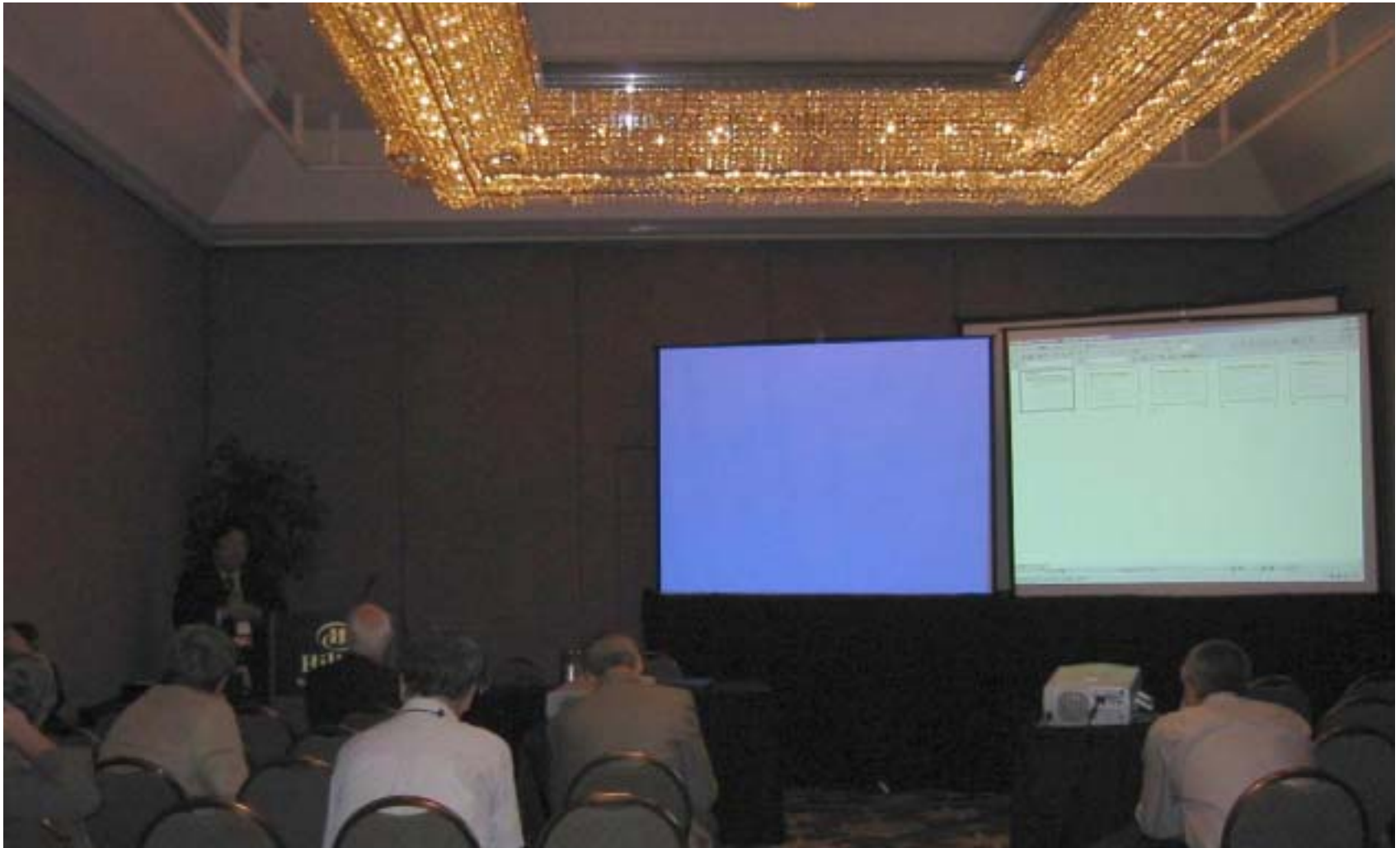
Gunner Klein CEN TC251, ITU's eHSCG

Tim Benson (absent) UK perspectives

Michio Kimura (chair) Japan perspectives

by IMIA WG 16 (Standardization)

MEDINFO2004 Workshop



IMIA WG16 for Standardization



⌘ Est. 1998 (prior to ISO TC 215)

☒ chair: George de Moore

⌘ Activities

☒ WG mtg at Bermuda 1998

☒ Workshop at APAMI-MIC 2003 Taegu, Korea

☒ Workshop at MEDINFO 2004 SF, US

☒ Workshop at MIE 2005 (plan)

⌘ <http://www.mi.hama-med.ac.jp/stds/index-en.html>

National Program in Japan

⌘ By Ministry of Health Labor & Welfare

- ☑ EMR introduction half aid in 2001 2002

- ☑ in which Ministry required to use standardized codes, HL7 and DICOM (and electronic reimbursement)

- ☑ Standardized EMR component development project (since 2003)

- ☑ Indicators, Guidelines, Referrals, Evaluations, etc.

⌘ By Ministry of Economics Trade & Industry

- ☑ Co-operative conformance between EHR

- ☑ IHE, Security measures, etc.

Standard Code Activities in Japan

- ⌘ Drug : HOT code by Pharmacists Assoc.
- ⌘ Lab Exam : JLAC code by Clinical Pathologists Assoc.
 - ☑ Multiple axial like LOINC
- ⌘ Diagnosis : MEDIS code
 - ☑ ICD10 referable
- ⌘ Image Exam : JJ1017 code by Radiology consortium
- ⌘ Physical Examination Signs : PHYXAM code by Primary care and Internists consortium
- ⌘ Nursing Observation : MEDIS nursing code
- ⌘ EHR tag : J-MIX by MEDIS

International Codes



⌘ Logistics

- ☑ 2D barcode (or RFID) to be conformant with FDA

⌘ ICD is not for clinical research

⌘ SNOMED

- ☑ has good diagnoses, but less signs
- ☑ is expensive except for USA and UK
- ☑ needs translation

Language representation is not the only issue

⌘ Language used in;

- ☑ Conversation with patients
- ☑ School education
 - ☒ Medical, Nurse, Technicians
- ☑ Medical record
 - ☒ Signs and symptoms
 - ☒ Reports

⌘ Structure of data types

- ☑ Address
 - ☒ 250 Wu-Hsing street
 - ☒ 1-20-1 Handa cho

Medical record written in



⌘ English

☑ Korea, Taiwan, Singapore, HK, India

⌘ Native language

☑ Japan, China

⌘ Mixed

☑ Malaysia, Vietnam, Thailand