

ICES 2014報告

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画像電子学会国際標準化教育研究会2014-09-12

ICESの紹介

- 2006年東京会合から始まる
- International Cooperation for Education about Standardization –
<http://http://www.standards-education.org/>
- ボランティア・ベース ; virtual
- ICESボード : 3人
- 年1回のワークショップ

ICES historical overview

- 2006年2月 東京(一橋大学丸の内)J. Hill, 栗原史郎,黒川
- 2007年2月 Delft (デルフト工科大学)
- 2008年2月 Gaithersberg (NIST)
- 2009年3月 東京(KKRホテル), Simulation Game
- 2010年6月 Geneva, ISO/IEC/ITU-T WSC Academic Week
- 2011年6月 杭州, WSC Academic Day
- 2012年5月 Indonesia, Bali, ISO DEVCO/KATS Workshop for developing countries
- 2013年6月 ETSI
- 2014年8月 Ottawa (Chateau Laurier), Society of Standards Professionals (SES) annual conference

ICES 2006-2014

参加者数の推移(国;メンバー会議)

- 2006 – 15[6]
- 2007 – 30[11]
- 2008 – 60[11];20
- 2009 – 150(80)[10];20
- 2010 – 95[28];20
- 2011 – 50;20
- 2012 – 200;20
- 2013 – 62[23];15
- 2014 - 71[14];10

ICES Workshop Themes

- 2006 - Share ideas, experiences and vision for education about standardization
- 2007 - Promote and support the development of standardization education worldwide
- 2008 - Global Perspectives and Strategies for Education about Standardization
- 2009 - Evolutions of Standards Education in the World
- 2010 - Dialogues between academic institutions and the international standards community
- 2011 - Research and Academic Teaching about Standardization
- 2012 - Promote quality and attractiveness of education about standardization
- 2013 - Industry Needs Standards. What Does Industry Expect from STANDARDS EDUCATION?
- 2014 - Developing Standards Professionals Across Borders

ICESの課題の変貌

- 2006年 興味・関心を持った人/グループは存在していたが、情報交換・意見形成の場がなかった — 黒川のレポート(2005)
- 2008年 法人化, 恒久化, SDOとの関係, 教材
- 2010年 指導体制, 学生層の取り込み, 地域特性にあった取り組み
- 2012年 EURAS, SSS (Society for Standards and Standardization)などとの関係
- 2014年 若手育成、職業規定



What's New in 2014

- August, with SES
- 1 day workshop & Membership meeting –
2-3 days so far
- Poster session at Reception
- Contributed Papers Panel
- Lightning Round
- Panel: Perspectives of Young Professional and Students
- Panel: Senior and Mid-Career Perspectives





James Lepp
BlackBerry Ltd.

Lu Hao
Georgetown University

Lisa Rajchel
ANSI





Membership meeting News

- New Board Member - Jeffrey Strauss, Center for Technology and Innovation Management (CTIM), Northwestern University ← Erik Puskar, NIST
- ICES 2015 – Incheon, Korea 4/23-25 (KSA)
- ICES 2016 – Frankfurt, June with IEC
- Academic Day participants: 1 day possibility
- Workshop records publication
- Web-site management - KSA

Jeffrey Strauss

- At Northwestern University for 30 years, Strauss is director of the Center for Technology and Innovation Management (CTIM - within the university-wide Roberta Buffet Center for International and Comparative Studies) where he develops programs to raise attention in managers and faculty to underlying strategic issues not yet fully on their view screens - but which should be - including standards. His work is often highly cross-disciplinary and applies such planning/analytic tools as roadmapping, mindmapping (and variants) and scenario planning.
- Strauss is a member of the American National Standards Institute (ANSI) Committee on Education and the equivalent in IEEE and spearheads NIST supported industry-academic workshops and teaching materials development (including simulations/exercises).
- Previously he was associate director in Northwestern's Center for the Study of US-Japan Relations.
- He also worked in refugee resettlement/social work/multinational management for 8 years and has been an active consultant.

APEC SCSC Proposed System of Definition and Classification of Standards Professionals

- Definition of ‘Standards Professionals’
- competence requirements for standards professionals
 - Knowledge, Skill-set, Attitude, Training/Education, Materials, Personnel Certificate
- identify the gaps between current workforce status and preference/expectations
- develop actionable recommendations on how best to fill the gaps, and propose collaborative action plan in 2015-2020 in the region

APEC SCSC Proposed System of Definition and Classification of Standards Professionals

- Standardization + Conformity Assessment + Metrology
- Workshop on Standards Professional Development (2014/8/9-10, Beijing, China)
- 8 Korean Companies:
2.6% ST, 8.5% CA, 1.0% ME employees

Standardization Professionals Tasks (Private company)

- Planning and Evaluation
 - Strategy/plan setting, standardization and patenting strategy
 - Cooperation with NSB/SDO and forum/consortium
 - Performance/achievement evaluation
 - Standardization needs & trend analysis
- Development
 - Development (company standards)
 - Development (participation in external SDO's activities)
- Dissemination
 - Standards information management - copyediting, publication, distribution of standards
 - Training for standards application
- Others
 - TBT, Regulation analysis and reaction (domestic, foreign)

Standardization Professionals Tasks (Standards-specialty organizations)

- Planning and Evaluation
 - Strategy/policy setting and legislation
 - Cooperation/coordination with SDOs
 - Performance/achievement evaluation
 - Standardization needs & trend analysis
- Development
 - Committee secretariat (Standards development processing)
 - Development (by staff)
 - Development (by technical committees)
 - Development (by accredited/cooperative SDOs)
- Dissemination
 - Copyediting & publication; Sales & marketing Information services
 - Consultancy and training
- Others
 - TBT inquiry related issues, link of standards-regulation

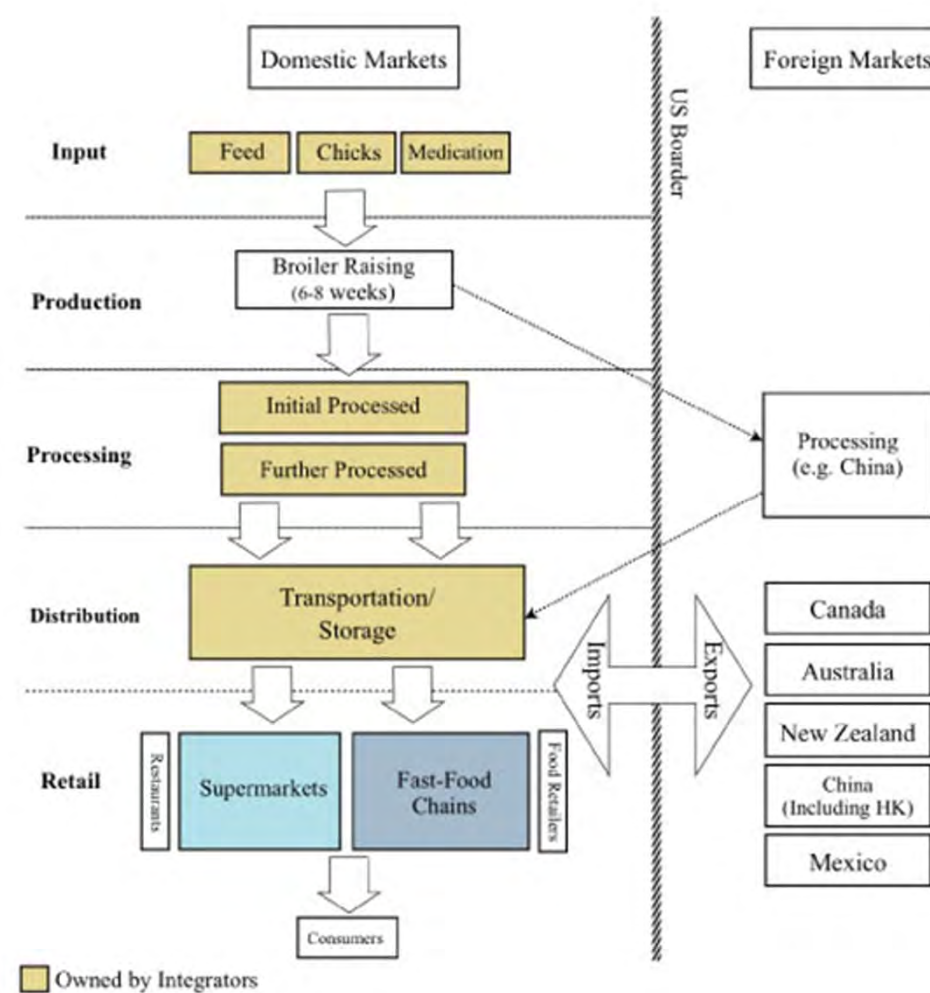
Job Advertisement Example (Standards Manager)

- Description
 - Planning standards strategy
 - Put the technology innovation projects into the international or national standard
 - Establish the international standard library resources for company
- Requirements
 - Degree : Master or PhD
 - Major : Science & Engineering
 - Experience : more than 4 years
 - having ability to perform the special technical task leader experience

Job Advertisement Example (Specialty Organization)

- Description
 - Planning strategy, policy setting and legislation for IEC/ISO and international standards
 - national standards
 - Disseminating IEC/ISO and international standards
- Requirements
 - Above bachelor's degree in Science and Engineering
 - Min.10 years' experience related to science or engineering fields
 - High level of understanding in testing, inspection, certification and standards
 - High level of operability in testing equipment and measuring instrument
 - High level of ability to interpret testing results

Lu Hao: The Paradox of Standard Setting (US Broiler Industry)



いくつかの課題

- 運営は第2世代に
- 企業関係者の参加減少
- 後継者の問題が出始めた
- Academic Dayとの関係
- Singaporeが参加、Indonesia、Malaysiaは政府部門不参加