

2008 International Conference on Science Education for the Next Society (ICSSENS)

Eun Ah Lee, ICSSENS coordinator
 BK 21, SENS, Seoul National University

2008 International Conference on Science Education for the Next Society (ICSSENS) was held from October 30 to November 1 at the Seoul National University in Seoul, Korea. It was co-hosted by The Center of Science Education for the Next Society (SENS), The Korean Association for Science Education (KASE), East-Asian Association for Science Education (EASE) and International Geoscience Education Organization (IGEO). The theme of 2008 ICSSENS was "The Role of Science Education of Science Education in High-Tech Society" and around 120 researchers and students from ten countries attended the conference.

Four keynote speakers, Prof. John Gilbert (The University of Reading, UK), Prof. Brian Hand (The University of Iowa, USA), Prof. Chin-Chung Tsai (National Taiwan University of Science and Technology, Taiwan), and Prof. Dongryul Jeon (Seoul National University, Korea) gave plenary lectures on a variety of topics. Also, East-Asian Association for Science Education held the symposium on the theme of "Science Education Research and Postgraduate Education in East Asia". In addition to paper presentations and interactive poster presentations, two workshops, "Embedding Science Argument within the Classroom" and "Invisible Science Revolution: Nano Scale Science-Fun and Easy!", were provided by Prof. Brian Hand and Center for Bridging Advanced Science & Education respectively.

To promote the conference theme, a special event called "Research Fair: Bridging the Gap between Science and Science Education" was provided by the science laboratories in the Department of Science Education, Seoul National University. Seven science research teams demonstrated the frontier knowledge in advanced science including genetics and nano-technology, and participants had a chance to do hands-on experiments as well as participate in lively discussions on the implications of frontier scientific knowledge to science education.

Moreover, 2008 ICSSENS was a particularly fruitful occasion for students as the International Fellowship had been established to support international young members. Five graduate students and/or junior scholars from Singapore, China, Hong Kong, and Turkey were awarded with the fellowship. There are also a few selected students awarded with Best Presentation Award. ICSSENS encourages and welcomes the participation and presentations of young members.

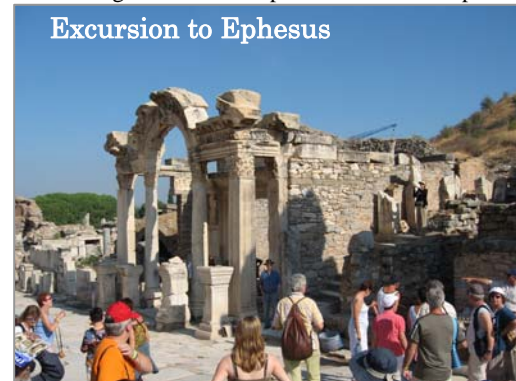
See you at the next ICSSENS!



Report of IOSTE XIII

2008-2010 IOSTE Representative of Far East Region,
 Hae-Ae Seo, Pusan National University, Korea

The 13th International Organization for Science and Technology Education (IOSTE) Symposium was held at Pine Bay Resort Hotel, Kusadasi, Turkey, September 21-26, 2008 when it was the most enjoyable time of the year. IOSTE was established to advance the cause of education in science and technology as a vital part of the general education of the people of all countries and to provide scholarly exchange and discussion in the field of science and technology education. Consistent with its mission to encourage the peaceful and ethical use of science and technology in the service of humankind, IOSTE opposes the use of science and technology by governments or other organizations for military purposes against civilians. Along its mission, the theme of the 13th IOSTE Symposium was "The use of science and technology education for peace and sustainable development" and made great efforts to promote the development and dissemination of theoretical knowledge, conceptual research, and professional practice



Excursion to Ephesus

knowledge on science and technology education. There were six invited plenary presentations, two mini symposia, 170 oral presentations and 37 poster presentations in the Symposium. The presentations were full of energetic and dynamic academic exchange. However, it was noted with concern that there were not many presentations on technology education itself as well as integrated science and technology education. Overall, it was a great opportunity for all the participants to share ideas and experiences in science and technology education globally and to bring about collaboration towards successful and productive research in science and technology education. Many thanks went to the organizing committee from the Turkey side, Faculty of Buca Education of Dokuz Eylul University which welcomed the participants with warm and comfortable atmosphere throughout the symposium. It was promised that more participants are to be gathered to further the IOSTE mission at the next Symposium in Slovenia in 2010.

Mission of EASE

- Fostering networks among researchers
- Being a platform for collaboration and cooperation
- Contributing to policies and practices through research
- Enhancing research relevant to our culture and heritage




<http://www.uchida.co.jp/global/>

Can Assessment Improve Science Learning? Cumulative Learning using Embedded Assessment Results (CLEAR) Project

Hee-Sun Lee, Tufts University, MA, USA

In the United States it is common to test students only on the topics they studied in the latest unit. Students are seldom expected to apply concepts learned in prior units to the next unit. Science assessments have the potential to help students develop cumulative, integrated understanding of key science concepts. Building on established partnerships among teachers, curriculum, technology, and assessment developers, and educational researchers from the Technology-Enhanced Learning in Science Center, the Cumulative Learning using Embedded Assessment Results (CLEAR) project has begun investigations of how assessments can capture and contribute to the development of an integrated understanding of energy for middle school students.

Dr. Marcia Linn, University of California, Berkeley, leads the CLEAR team of researchers that includes Dr. Robert Tinker, Concord Consortium, Dr. James Slotta, University of Toronto, Dr. Hee-Sun Lee, Tufts University, and Dr. Ou Lydia Liu at the Educational Testing Service. The project investigates forms of online assessment that document students' learning trajectories and also serve as learning events. Focusing on energy concepts in 6th and 7th grade, CLEAR will help students become cumulative learners who are able to build on the ideas they have learned, use the knowledge gained in one course to succeed in the next course, and apply their knowledge to everyday lives.

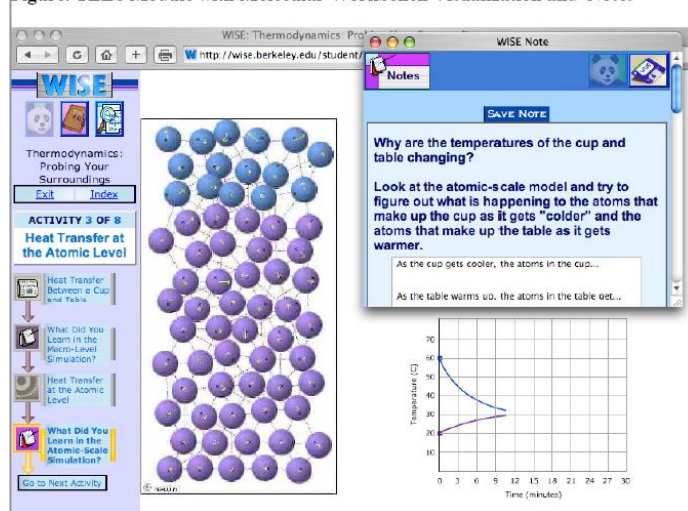
Building on past research, CLEAR will take advantage of interactive scientific visualizations that collaborating teachers find help students develop the deep understanding they need to use their ideas in new contexts. For example, one teacher remarked while using a visualization about global warming, "So even though it might have been a little complicated for them at first, I think it's worth having it on there because they get to play around with it and see how things change, you know, based on the CO₂ or based on how many clouds there are and things like that."

CLEAR uses features of the Web-Based Inquiry Science Environment (WISE) online environment (Figure 1) to guide students and gather embedded assessments. The instructional materials will focus on energy topics in life and earth science. CLEAR will focus on energy transformations used across these science topics. CLEAR will explore new technologies that capture energy stories, involve interactive visualizations, and take advantage of probes.

For more details:

Web-based Inquiry Science Environment, <http://wise.berkeley.edu>
Software features including Molecular Workbench, <http://concord.org>
Technology-Enhanced Learning in Science Center, <http://telscenter.org>.

Figure. TELS Module with Molecular Workbench Visualization and Note.



2009 East-Asian Association for Science Education Conference

Date: Oct.21-23, 2009

Venue: Howard International House, Taipei, Taiwan

Conference Theme:

Science Education for Tomorrow (SET): Voices of East Asia

Registration fees (Including, Conference, 1 banquet and 2 free city-tours) (need to check availability):

		Early Registration
Regular member	US\$150 (NT\$4500)	US\$120 (NT\$3600)
Student Member	US\$ 50 (NT\$1500)	US\$ 40 (NT\$1200)

Important Dates

Abstract submission (250 -500 words, English only): May 31, 2009
Notification of paper acceptance: June 30, 2009
Deadline for full text paper submission (optional): July 31, 2009

Conference Strands

- + Curriculum and Teaching in Science
- + Learning Science in Schools
- + Learning Science in Informal Settings
- + Educational Technology for Science Education
- + Professional Development for Science Teachers
- + History and Philosophy in Science Education
- + Policy in Science Education
- + Assessment and Comparative Studies in Science Education
- + Collaborative studies and Cooperation
- + Region-specific science education



For registration or information, please visit the website below.
Contact: Prof. Chi-Jui LIEN (National Taipei University of Education,
cjlien@tea.ntue.edu.tw) <http://esciedu.nctu.edu.tw/ease/index.php>

Conferences in the World

World Conference on Education for Sustainable Development

Mar.31– Apr.2 @Bonn, Germany

NARST 2009

<http://www.narst.org/annualconference/2009conference.cfm>

Apr. 17-21, 2009 @Garden Grove, CA, USA.

5th World Environmental Education Congress

<http://www.5weec.org> May 10-14, 2009 @Montreal, Canada

VIIth IOSTE Symposium for Central and Eastern Europe

14-18 June, 2009, Siauliai, Lithuania

40th ASERA 2009 <http://www.asera.org.au>

Jul. 1-4, 2009 @ Deakin University, Victoria, Australia.

CONASTA58 Jul. 4-7,2009 @Launceston, Tasmania, Australia.

Abstracts due 20 Feb 2009

33rd Annual Meeting of JSSE

Aug. 25- 26, 2009 @Doshisha Women's University, Kyoto, Japan

SJST 2009 <http://wwwsoc.nii.ac.jp/sjst/>

Aug.18-19 2009 @Miyagi University of Education, Sendai, Japan

ESERA 2009 <http://www.esera2009.org/>

Aug.31-Sep.4, 2009 @Istanbul, Turkey

Proposal submission close on Jan.16

EASE 2009 <http://theease.org/>

Oct. 21-23, 2009 @Taipei, Taiwan **Call for Papers until May 31.**

International Science Education Conference 2009

Dec. 2-4, 2009 @National Institute of Education, Singapore

ICSENS 2009 <http://sens.snu.ac.kr/eng/>

@Seoul National University

41st ASERA 2010 @ Newcastle University, Australia.

EASE 2010 Summer Workshop for Research Students

XIV IOSTE <http://www.ioste.org/> 2010@Slovenia



from EASE Executives

1. Membership Renewal

We have just celebrated our first anniversary and it is time for membership renewal. The Membership Renewal Form is now available on the website <http://theease.org>

2. Annual Report

According to the Constitution (article 4.7), when no conference is held annually, our Annual Report of Activities should be published in the website as well as in our E-Newsletter (see below). EASE 2008 Financial Report will be sent directly to the paid members through email soon.

3. Change of a Korean Executive Member

Resignation was received from one of the executive members from Korea, Prof. Byung-Soon Choi, due to his work commitment at his university. According the article 4.5 of the Constitution, other Korean executives discussed and nominated Prof. Jeonghee Nam of Pusan National University, to take up the executive membership and she accepted their offer. She was approved officially at Executive Members Meeting (through e-mail).

Call for Papers

European Science Education Research Association (ESERA) 2009 Conference will be held in Istanbul between August 31 and September 4, 2009.

Proposal Submission Deadline is January 16, 2009.

A small number of young researchers will be sponsored by a grant from ESERA.

For more information please visit official conference website:

<http://www.esera2009.org/>



(Gultekin Cakmakci, Hacettepe Universitesi, Ankara)

Annual report of EASE 2007-2008 Activities (EASE Secretary Office)

EASEF (East Asian Science Education Forum) 2007 Feb. 26-28, 2007. Seoul

-Strategic Planning Meeting for Developing Research Network in the Region
-decisions over its name (EASE), Preparatory Committee, Headquarter,
-Chairperson of EASE committee members (Ogawa), draft of Constitution, etc.

E. Liu, X. Luo, C-Y. Chou, S-C. She, B. Yung, A. Wong, M. Ogawa, B. Choi, J. Song, D. Jeon, G. Lee, Y-S. Park

EASE Regional Preparatory Committee Secretary Meeting Jun. 13, 2007. Seoul

- Discussion about EASE logo, website, flyers to other science education association about the foundation of EASE

-Membership payment established for EASE

-Definition of honorable members, regular members, and students members with membership fee (20 USD and 10 USD each)

-10 Executive Members (two from main land China, two from Hong Kong, one from Japan, two from Taiwan, and three from Korea) at EASE.

-The terms of Executive members will be every 4 years (flexible)

M. Ogawa, J. Song, Y-S. Park, G. Lee

Taipei Informal Meeting Jul. 20, 2007

-The First Biennial Conference

-Funding for EASE

-Benefit for EASE member

-Publish E-News Letter

-Special Issues in Taiwan IJSME and Korean SSCI journal

H-S. Lin, C-Y. Chou, M. Ogawa, H-C. She

Founding Assembly of EASE and 1st Executive committee Meeting Oct. 31-Nov. 1, 2007. Seoul

-11 preparatory committee members from 5 different regions for EASE foundation since Feb. 22, 2007.

-2 secretaries at Headquarters of SNU

-13 executive members finalized for EASE

-EASE logo finalized

-Declaration of office establishment of EASE

-Announcement of Biennial EASE Conference

Executive members and two secretaries of Headquarter: X. Luo, E. Liu, L.Gao, M. Ogawa, A. Wong, B. Yung, C-Y. Chou, H-C. She, B-S. Choi, J. Song, D. Jeon, Y-S. Park, G. Lee

EASE website established Dec. 2007. Seoul

<http://theease.org>

Webmaster: Y-S. Park

2nd Executive Committee Meeting

Feb. 22, 2008. Kaohsiung

-1st Conference of EASE (Completed): biennial <http://esciedu.nctu.edu.tw/ease/index.php>

-Summer school for graduate students: biennial

1) Dr. Yung will manage this summer school for the number of graduate students

2) Content: PhD dissertation writing (depending on budget), graduate students with mentor, graduate students can come to professor's ideas to share and get the ideas for them to explore, seminars, some events for Master students or PhD candidates (at the very end of PhD candidates)

3) Duration: one week (5 days from Mon-Fri, and culture experience for the weekend)

4) When: 2010, July.

5) Place: Beijing is the most preferred.

-Budget for EASE

1) Find the associations to support the EASE in each region

-Teaching/developing material company to eager to extend the market for EASE to donate.

- Each region "attack" the supporting system from government

2) Get the donation by advertisement through the website of EASE

-logo linked in the website to get to donate.

-1000 USD with logo (with link without link) in the website of EASE for year for announcement.

M. Ogawa, A. Wong, B. Yung, C-Y. Chou, H-C. She, H-S. Lin, J. Song, Y-S. Park



1st Newsletter published

Mar. 15, 2008 Editor: H. Otsuji

-Linkage of other teaching/developing materials company to extend the market for EASE to donate
-UCHIDA (Japan), NARIKA (Japan)- USD1000.00 each on website

-UDOM(Japan) on Newsletter (USD300.00) for the first three versions.

-UCHIDA (Japan) on Newsletter (USD300.00) for the first three versions.

Regional EASE Committee Meeting

Apr. 2008. Baltimore

-EASE journals established and published possibility
-Some benefits of Springer Press e-journals for EASE members.

H-C. She, Y-S. Park, B. Yung, G. Lee and H. van Paradijs (Springer Press)

EASE Regional Executive Meeting

May 28, 2008. Taipei

Ogawa met executive members of Taiwan to discuss details about the 1st EASE conference in 2009.

Executive members of Taiwan region with M. Ogawa

Regional EASE Committee Meeting

Jun. 14, 2008. Hong Kong

- Springer has the privilege to publish our EASE Journal which is good for us because Springer would provide IJSME for free and give another two

e-journals which would attract more people to join our EASE.

- Prof.B.Yung agreed to serve as presider for Hong Kong region specific session and meet his Hong Kong Colleagues and encourage them to come to attend EASE conference.

H-C. She, B. Yung, A. Wong

2nd Newsletter published

Jun. 15, 2008 Editor: H. Otsuji

Regional EASE Committee Meeting

Jun. 30-31, 2008

Discussion on EASE first conference issues.

Executive members of Taiwan region with M.Ogawa

3rd Newsletter published

Sep. 15, 2008 Editor: H. Otsuji

Development networks among International Associations of Science Education

Oct. 1-15, 2008 Y-S. Park

Linkage of EASE website to other science education associations: ESERA, NARST, ASERA

EASE Symposium and Executive Members Meeting during ICSENS at SNU

Oct. 30 2008. Seoul

-Membership Renewal

-Annual Report

-Change of a Korean Executive Member

-Prepare for Election in 2009

: Secretaries and executive members in each region need to confirm who is going to be replaced in the next conference 2009.

-details of 1st EASE conference by Prof. Lien

B. Yung, E.Liu, X. Luo, M. Ogawa, Y-S. Park, G. Lee, H. Otsuji, J. Nam, C-J. Lien

Website updated with more current information

Dec. 10, 2008. Y-S. Park

Call for Regional Information

Hisashi OTSUJI (Ibaraki University)

This Newsletter was planned to be published quarterly and this is the last number of the first volume. Editors are celebrating for ourselves to clear first year, appreciating for cooperative works of all authors. We also plan to send email newsletter with information related to science education in East-Asia and all over the world, to all members of EASE more often. Please send us any news around you to me (otsujih@mx.ibaraki.ac.jp) or to Dr. Young-Shin Park (parkys@chosun.ac.kr) at any time. We will help you spread the news around.



Executive Members of EASE

President

Masakata OGAWA (Kobe University)

Vice-President

Huann-Shyang LIN

(National Sun Yat-Sen University)

Benny Hin Wai YUNG

(The University of Hong Kong)

Treasurer

Xingkai LUO (Guangxi Normal University)

Secretary

Jinwoong SONG (Seoul National University)

Executive Members

Ching-Yang CHOU

(National Kaohsiung Normal University)

Lingbiao GAO (South China Normal University)

Dongryul JEON (Seoul National University)

Huann-Shyang LIN

(National Sun Yat-Sen University)

Enshan LIU (Beijing Normal University)

Xingkai LUO (Guangxi Normal University)

Jeonghee NAM (Pusan National University)

Masakata OGAWA (Kobe University)

Hsiao-Ching SHE

(National Chiao Tung University)

Jinwoong SONG (Seoul National University)

Alice Siu Ling WONG

(The University of Hong Kong)

Atsushi YOSHIDA

(Aichi University of Education)

Benny Hin Wai YUNG

(The University of Hong Kong)

Constitution of EASE **東亞科學教育學會規程**

1 Name and Status

1.1 The name of the association shall be 'The EASE (East-Asian Association for Science Education), referred to as 'The Association'. The Association comprises members from regions including China Mainland (中國大陸), Hong Kong(香港), Japan(日本), Korea(韓國), and Taiwan(臺灣). These regions are referred to as 'The Constituent Regions'.

1.2 'Science Education' shall refer to all aspects of education in respect of the natural sciences including physics, chemistry, biology, earth science, environmental science, general science, and applied science for learners of all ages.

1.3 'Research' shall refer to all forms of systematic inquiry.

1.4 The Executive shall, if necessary, establish the legality of this Constitution under national or international law as appropriate.

2 Aims

The aims of The Association shall be:

2.1 to enhance the range and quality of research, teaching and learning in science education in East Asia, in particular, those related to the culture and heritage of The Constituent Regions;

2.2 to provide a platform for collaboration in science education among The Constituent Regions;

2.3 to seek to relate research to the policy and practice of science education in The

Constituent Regions;

2.4 to represent the professional interests of science education researchers in The Constituent Regions;

2.5 to foster links between science education researchers in The Constituent Regions and similar communities elsewhere in the world.

3 Membership

3.1 Personal membership of The Association is open to anyone who has interests in science education research.

3.2 Applications for personal membership shall be made on the Application Form provided.

3.3 The title and privileges of being a 'Personal Member of the Association' shall only be enjoyed by an individual over a period for which all the dues required by The Association have been paid.

3.4 Organizational membership of The Association shall be open to organizations which have a constitutional interest in research in science education.

3.5 Applications for organizational membership shall be made on the Application Form provided.

3.6 The title and privileges of being an 'Organizational Member of the Association' shall only be enjoyed by an organization over a period for which all the dues required by The Association have been paid.

4 The Executive

4.1 Decisions made on behalf of The Association shall be taken by The Executive.

4.2 Each personal member shall have the right to one vote in any election concerning The Association.

4.3 The Executive shall consist of elected members, with at least two representatives from each constituent regions of The Association. All nominations must be supported by a proposer and a seconder, who are Personal Members of The Association. The proposer and the seconder must also be coming from different Constituent Regions. Each of those elected will serve for four years. However, arrangements should be made as far as possible such that about half of the members on the Executive will be re-elected in every other two years to ensure smooth transition and continuity of work of The Association.

4.4 President, Vice-president, Secretary, and Treasurer will be directly elected among the elected members of The Executive. The term of office for each of the above-mentioned office bearers will be two years.

4.5 If a position on The Executive falls vacant, The Executive shall fill it by whatever means they deem necessary and which do not contradict the above conditions, until the next occasion for an election.

4.6 The duties of the President shall:

a. take charge of the affairs of The Association, including presiding the Biennial Conference of The Association;

b. serve as a Chair of The Executive;

c. be or designate a representative to affiliate organizations;

d. serve as or designate a representative as spokesperson for The Association.

4.7 During the Biennial Conference, The Executive will present a written report, which shall include Audited Accounts, of The Association. This report will be uploaded onto the official website of The Association for perusal by Members who are not present at the Biennial Conference of The Association. In years when the Biennial Conference does not take place, the written report will be sent to all Members and posted on the website.

4.8 The Organizer of the next Biennial Conference of The Association (which shall be organized to support communication on research matters between members of The Association and with others) shall automatically be co-opted on to The Executive.

4.9 Elections to The Executive shall, wherever possible, take place during a Biennial Conference of The Association such that results may be announced at that Conference.

4.10 Amendments to The Constitution either shall be proposed by a majority decision of The Executive or shall be proposed by at least thirty other Members of The Association who, in turn, must be coming from at least three of The Constituent Regions.

4.11 An amendment to The Constitution shall be agreed by a two-thirds majority of the members of The Association who vote in the ensuing referendum.

4.12 The Headquarter of The Association shall be established in a City at the discretion of The Executive.

4.13 Important documents produced in the course of Association business shall have an abstract in at least two different Asian languages.

5 Activities

5.1 The activities of The Association shall be addressed by such means as The Executive shall decide.

5.2 These means shall include the organization of Boards and shall include the organization of the Biennial Conferences of The Association.

5.3 The costs of each activity conducted on behalf of The Association shall be met by, or on behalf of, the activity, less any administrative input that The Executive shall decide to make. Any surplus generated by an activity shall be the property of The Association.

5.4 In order to conduct the business of The Association, The Executive shall be empowered both to collect an Annual Membership Fee from personal and Organizational Members of The Association and to make applications to Fund-Awarding Bodies on behalf of The Association.

Join us !

For membership of EASE: It costs only US\$20 a year to be a member of EASE (US\$10 for student).

For more information: Just visit EASE Website <http://theease.org/>

Don't hesitate to contact me for further information.

Young-Shin Park (Chosun University, Korea, parkys@chosun.ac.kr)

