



THE NEWSLETTER OF
THE EAST-ASIAN ASSOCIATION FOR SCIENCE EDUCATION
東亞科學教育學會通訊

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EASE Summer School 2010, Coming soon !

It is my great pleasure to announce to EASE members that our heart's desire for the first EASE Summer School will come true in Taipei, July 18-23, 2010. This Summer School aims at providing valuable opportunities for sharing research experience and developing future research collaboration among Ph.D. students from EASE constituent regions. I present my deepest appreciation to colleagues who have been devotedly working on this project especially to Professor Chen-yung Lin of National Taiwan Normal University, as well as National Science Council of Taiwan for the financial support. I am looking forward to seeing young researchers in Taipei!


- EASE president, Jinwoong Song, Seoul National University, Korea.

The EASE Summer School generally consists of three parts: lectures by senior professors, group discussion about participants' dissertations and collaborative proposals. In four lectures, senior professors are invited to give talks during the summer schools and they also serve on a committee supervising the summer school. Four working groups, each group consisting of five Ph.D. students from five different regions, are formed and discussed under the leadership of four coaches and senior professors. Two types of group discussion will be held in the summer school.

Five dissertations: during these sessions participants are asked to present and discuss their Ph.D. studies in a small, supportive group of 'critical friends' outside of their institutional setting. Furthermore, students are expected to take an active part in the analysis and discussion of other students' Ph.D. studies or ongoing research. Each session (90 min.) focuses on only one student's thesis study. Another type, collaborative proposal sessions, enables students to discuss and develop a cross-region research proposal with a multicultural understanding. The scope of the proposal has to cover a common issue in Asia and involve effort and specialty from each student. Each working group clarifies the issue, outlines questions, communicates literature, and designs a method. The proposal should be finalized with a PowerPoint and presented in the proposal sessions. In the proposal presentation sessions, each working group presents its proposal to the senior professors. One or two best proposals will be chosen by the end of the summer school.

-EASE vice president, Chen-yung Lin, National Taiwan Normal University, Taiwan.

Tentative timetable of EASE Summer School 2010

	Sun., 18 July	Mon., 19 July	Tue., 20 July	Wed., 21 July	Thu., 22 July	Fri., 23 July
09.00 – 10.30	Arrival	Group discussion 1 (dissertation)	Group discussion 4 (dissertation)	Social-cultural activities	Group discussion 7 (collaborative proposal)	Proposal presentation 1
10.30 – 11.00		Coffee/tea	Coffee/tea		Coffee/tea	Coffee/tea
11.00 – 12.30		Lecture 1	Lecture 2		Lecture 3	Proposal presentation 2
12.30 – 13.30		Lunch	Lunch		Lunch	Lunch
13.30 – 15.00	Coach meeting	Group discussion 2 (dissertation)	Group discussion 5 (dissertation)		Group discussion 8 (collaborative Proposal)	Closing meeting
15.00 – 15.30		Coffee/tea	Coffee/tea		Coffee/tea	Departures
15.30 – 17.00		Group discussion 3 (dissertation)	Group discussion 6 (collaborative proposal)		Lecture 4	
17.00 – 17.30	Welcome	Informal meetings/free time	Informal meetings/free time		Informal meetings/free time	Dinner
17.30 – 18.30	Initial group meetings					
18.30 – 20.00	Dinner	Dinner	Dinner		Dinner	

Date:

2010/7/18 – 2010/7/23

Attendees:

Twenty Ph.D. students (a few students of outstanding participation will be given an award with financial support for traveling.), four nominated coaches and five senior professors (all participants are from EASE member regions. Ph.D. students and coaches will be given certificates.)

Venue:

National Taiwan Normal University



Expenditure:

Local host will cover accommodation and meals (except lunch and dinner on Wednesday). Attendees (students, coaches, and professors) have to pay their travel cost.

Contact:

Executive member of representative region.

EASE New Website, Waiting for your Access!

EASE secretaries successfully established our new website. Access this URL: <http://theease.org/>



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

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



International Seminar on the Assessment of Science Education (ISASE in Kunshan, Mainland China)

Zhu Yanmei (Southeast University, China Mainland)

On May 19th-21st, 2010, the International Seminar on the Assessment of Science Education (ISASE) was successfully held in Kunshan China, near the Yangcheng Lake. The ISASE was attended by experts working in science education from China and other countries; young scientists in the area of science education assessment attended as observers.

Sixteen experts from China, United States, the United Kingdom, France, Chile, Mexico and Canada exchanged their views and discussed the important issues of assessment in science education, including the principles, best practices found in current assessment research, effective assessment systems around the world, and challenges, as well as key issues faced today. Particularly, the experts contributed some valuable strategies, suggestions, and guidelines for design and research on Assessment of Science Education in China (ASEC), recommendations for dealing with policy and research gaps, and the further potential international cooperation programs on professional development and research of assessment on science education.

Professor Wei Yu, the vice-chairperson of the China Association for Science & Technology, former minister of Ministry of Education, academican of Chinese Academy of Engineering presided the seminar. Mr. Yuepu Pu, the vice president of Southeast University and Mr. Shiliang Lin, the vice director of the Office of the National Education Inspectorate both made opening addresses for the seminar. Four keynote speeches were made on the seminar, they were: "Curriculum Sensitive Assessment in an International Context" by Professor William Schmidt from Michigan State University (USA); "Using assessment to help learning" by Professor Wynne Harlen from University of Bristol (UK); "Assessment in French primary school" by Professor Edith Saltiel from Paris Diderot University (France) and "Assessment of Children's Social Emotion Competency via Social Signal Processing" by Professor Zheng, Wenming from Southeast University (China). Other twelve presentations focusing on science education assessment were also made in the following two days.

Agreement was reached on the points such as: Assessment is a very important part in the process of promoting and reforming science education in all countries. Yet, education authorities and the society at large often need to be reminded that assessment is essential not just in reporting the final results, but throughout the science education process as an important quality feedback mechanism. Assessment has a number of purposes, the main ones being: (a) To help student's learning and inform teachers; (b) To summarize their learning for internal school reporting and information to parents; (c) To provide information for certification, guidance and selection, as for higher education; (d) To provide feedback to schools, regions, the nation and the global system efficiency with the goal of improving instructional practice. These four purposes have equal importance. Yet, too much attention is often given to purposes (b) and (c), to the detriment of (a) and (d); Further research is essential to establish adequate and separate test procedures for these purposes. Student assessment should be based on the common Standards. These standards should guide curriculum development, and formative as well as summative assessment. Assessment of science education should aim to include knowledge acquisition, cognitive abilities, inquiry competencies, attitudes and social competencies. Research is needed into task design, scoring, managing and quality control in assessment. Improvement of education primarily depends on the quality of teaching, and therefore on the training and continuing professional development of teachers.

This seminar will be the first successful step to initiate the pilot of Science Education Assessment in China.



EASE 2011

Theme: "Lighting the world with science"
 Venue: Chosun University, Gwangju, Korea
 Dates: October 26-29

Brief schedule

OCT 26th WED	OCT 27th THU	OCT 28th FRI	OCT 29th SAT
	Oral Presentation 2 Specific concurrent session 1	Oral presentation 4 Poster session 3	
Registration Opening ceremony Congratulatory & Welcoming address	lunch Oral presentation 3	Specific concurrent session 3 Poster session 3 (continued)	Cultural visiting Option 1 Option 2
Science performance	Science demo 3 Poster session 2		
Invited speech	Specific concurrent session 2 Poster session 2 (continued)	Educational visiting Option 1 Option 2	
Science Demo 1 Poster session 1 Oral Presentation 1 Poster session 1 (continued)	Oral presentation 3		
Dinner Science Demo 2 EASE meeting	Conference banquet		



Invitation from Gwangju, Korea

Welcome to Gwangju (光州), Korea for EASE 2011!
 On behalf of the organizing committee, I am happy to take this opportunity to welcome all of you to EASE 2011. This conference theme focuses on "Lighting the world with science," attracting professional researchers from all different fields related to science education, both locally and internationally. You can also enjoy the modern atmosphere, traditional culture, and history of Korea through EASE 2011 in Gwangju. We are sure that all of you will have pleasant and exciting experiences coming to Korea.

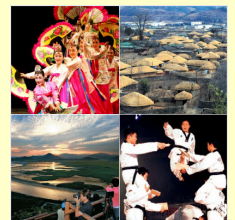
Byungsoon Choi, chair of the organizing committee
 Youngmin Kim, conference coordinating chair

Important Dates

Deadline for Abstract submission:
 May 31, 2011
 Deadline for Full paper (option):
 Jul. 31, 2011

Strands

- Teaching and Learning Science in Schools
- Teaching and Learning Science in Informal Setting
- Professional Development of Science Teachers
- Assessment and Evaluation in Science Education
- ICT and Science Education
- Teaching Scientific Creativity
- Socio-Scientific Issues and Human Values in Science Education
- History and Philosophy for Science Education
- Teaching Science at College level
- Regional-Specific Science Education



Plenary Session & Specific Concurrent Session

26th PM	Plenary session		
27th AM	Workshop	Special Session	Special Session
27th PM	Special Session	Workshop	Physics Demo
28th AM	WCU Workshop	Special Session	Special Session

For more information, contact

Youngmin Kim (minkyio@pusan.ac.kr), conference coordinating chair
 Young-Shin Park (parkys@chosun.ac.kr) at EASE main office



UNESCO Science Education Workshop in Korea: Celebrating the International Year of Biodiversity

Heewoong Kim (Korean National Commission for UNESCO, Korea)

The year 2010 has been proclaimed by the United Nations as the 2010 International Year of Biodiversity (IYB). Confronted with severe biodiversity loss, the Year was designated to increase the understanding of the vital role that biodiversity plays in sustaining life on earth and to encourage efforts to safeguard this irreplaceable natural wealth.

In celebration of the IYB in Korea, the Korean National Commission for UNESCO (KNCU) and the Korea Foundation for the Advancement of Science and Creativity (KO-



FAC) with sponsorship from the Korean Ministry of Education, Science and Technology have partnered to carry out a nation-wide campaign to promote public awareness of biodiversity and stimulate research and conservation efforts in related fields. Programmes of the year-long campaign include the UNESCO travelling exhibition, photo contest, biodiversity summer camps and public and expert conferences on subjects of biodiversity, climate change and conservation.

In the area of education, KNCU, KOFAC, and the UNESCO Jakarta Office have teamed up with the Korean members of the East-Asia Association for Science Education (EASE) to hold a week-long UNESCO Science Education Workshop on Biodiversity and Sustainable Development in Seoul on 26-31 June. The Workshop has been planned as a follow-up to the 1st UNESCO Forum on Science and Technology Education in Asia and the Pacific, which was held last September, also with support from EASE members. This year's workshop will invite trainers of science teachers, mostly professors of science education, from some 15 developing countries in the Asia-Pacific region. The programme will consist of lectures and activities on how to improve the full range of science education – from physics and chemistry to earth and life sciences – for sustainable development and biodiversity conservation. The President of EASE, Professor Jinwoong Song of Seoul National University will be participating in the workshop to introduce the participants on the teachers' training system in South Korea and discuss ways to improve science education and cooperation in the region. Furthermore, other members of EASE including Professors Shinho Jang and Young-Shin Park are also participating in the planning and discussions of the workshop.

Along with the UNESCO Workshop, KNCU and KOFAC have developed and distributed a course packet that can be used in primary and secondary school science and biology classes to enhance students' understandings of biodiversity and its conservation. Furthermore, the two organizations are collaborating with the UNESCO Asia-Pacific Centre of Education for International Understanding to publish an educational booklet introducing the biological and cultural diversities of Asia later this year.

Through these various programmes, KNCU and KOFAC along with EASE hope to contribute to promote the importance of biodiversity and the need for action. We hope more people to join us in our efforts of spreading the IYB message: "Biodiversity is life. Biodiversity is our life."

Global Chinese Conference on Science Education 2010

Winnie So Wing Mui (Hong Kong Institute of Education, Hong Kong)

The Department of Science and Environmental Studies of the Hong Kong Institute of Education will host the first Global Chinese Conference on Science Education 2010 (GCCSE2010) on 20-21 December 2010 in collaboration with the National Chinese Association of Science Education, Chief Executive Award for Teaching Excellence Teachers Association, Hong Kong Association for Science Education and Mathematics Education, Hong Kong Education City Limited, and three major universities in Hong Kong. The theme of the conference is "Connecting science education to the contemporary world" with the following sub-themes

- Integrating Science with other areas of learning
- ICT in Science Education
- Learning and Teaching Science
- Development of Science Curriculum
- Assessment of Students' Science Learning and Development
- Teacher Education/Professional Development for Teachers
- Historical, Philosophical, Social, Cultural, and Gender Issues
- Science Education in Life-wide/Authentic/Informal Contexts



The conference with focuses on research and development of science curriculum, teaching and assessment practices in primary, secondary and tertiary science education. Chinese and other international science educators and school science teachers from different parts of the world are to be involved to exchange research work and best practices. There will be paper presentations, workshops, posters and symposiums for sharing of concerns and experiences in the learning, teaching and assessment of science, which are relevant to the needs and development of the science education community over the world. In order to facilitate more effective sharing and communication, presentations in English and Putonghua are welcomed with abstracts and titles in both languages. Further details are available at <http://www.ied.edu.hk/gccse/> and the final call for paper will be due on 30th June 2010.

Ewha World Class University GISE and SNU Brain Korea21 SENS International Conference: "Instruction and Assessment for Promoting Understanding of Science Essential for 21st Century Global Citizens"

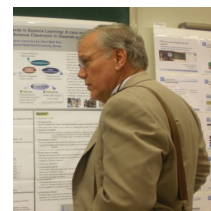
Sung-Youn Choi (Ewha Womans University, Korea)

The "Ewha World Class University GISE (Global Institute for STS Education) and SNU Brain Korea21 SENS (Science Education for the Next Society) International Conference" was held at Ewha Womans University from June 4 to 5, 2010. This conference was a promising opportunity for both science educators and researchers to ponder theoretical issues and methodological concerns which are essential to the creativity development of 21st century global citizens. It started from the wishful dream of holding a joint symposium of two leading universities in science education. To be reborn as global leaders in teaching and research, the two universities have spent collaborative efforts on realizing the dream with the enthusiastic help of world-renowned scholars and graduate students in this field. The theme of this conference, "Instruction and assessment for promoting understanding of science essential for 21st century global citizens", reflects two beliefs. First, we believe that we are now living in the era, transforming science education at a speed that could not have been foreseen. Second, we also believe that students today should have to learn how to cope with dynamic change as global citizens. This is our future mission of science and school education.

The program consisted mainly of five invited talks and poster and oral presentations. The first speaker, David F. Treagust (professor of Curtin University of Technology, Australia) described the main aims of assessment and showed a range of two-tier tests in science that can be used by teachers and lecturers for embedded/formative/diagnostic assessment that can help students question and better understand the underlying science concepts. Joseph S. Krajcik (professor of University of Michigan, US; Distinguished professor, Ewha Womans University, Korea) provided the visions of science education for the 21st century and integrated those into science instruction and assessment. He emphasized the needs to design instruction and assessments with respect to learning progressions and to combine competencies with a component of the big idea. Xian Chen (professor of Nanjing Normal University, China) examined the alignment between the Chinese middle school national science curriculum standards, and explained the Chinese science curriculum. Jinwoong Song

(professor of Seoul National University, Korea) explained about the process of developing Indicator Systems for Science Culture of Society as well as Individuals. The last speaker, Kyunghee Choi (professor of Ewha Womans University, Korea), emphasized that 21st century citizens need integrated understanding of the big ideas of science and habits of mind such as systematic thinking and communications. They also need to realize that science is a human endeavor that changes as new evidence is uncovered and to develop their meta-cognitive skills in order to discover and interpret new complex scientific information.

This conference provided me and every educator in science education with the opportunity to realize and enhance our responsibility and ambition in the development of education for the 21st century.



Ewha World Class University GISE
and SNU Brain Korea21 SENS International Conference
**Instruction and Assessment for
Promoting Understanding of
Science Essential for 21st Century
Global Citizens**

• David F. Treagust (Curtin University of Technology, Australia)
• Joseph S. Krajcik (University of Michigan, US)
• Xian Chen (Nanjing Normal University, China)
• Jinwoong Song (Ewha Womans University, Korea)
• Kyunghee Choi (Ewha Womans University, Korea)

4-5 June 2010
8133, Education Building-8, Ewha Womans University
Seoul, Korea

Science Core School in Korea and Super Science High School in Japan Together: Korean Science Educators Visiting Japan

Jae Young Han (Chungbuk National University, Korea)

On April 26th-27th, 2010, Korean science educators visited Japan to communicate on and co-learn a new approach to science education in the high schools of both countries. In Korea, a new kind of high school was launched recently with the name of "Science Core School (SCS)." The SCS provides high school students with fortified science and math education. For example, the students in the 'science core course' in SCS should learn all the four science subjects, physics, chemistry, biology, and earth science. In Japan, similar special high schools are already embedded in the secondary education system, and are named "Super Science High Schools (SSH)." In fact, the SCS did, in part, use SSH as a model in the beginning. The visiting Korean science educators and all the university professors are members of the Research Center for Supporting SCS, with the director Jinwoong Song. The research center asked the Japan Science and Technology Agency (JST) to have meetings in order to share the current status of SCS and SSH. The JST arranged a meeting with staff of JST in charge of SSH, and visits to two SSHs in Tokyo. The Koreans first visited the Ichikawa Gakuen High School (SSH). This school emphasizes autonomous science clubs, reading and writing education, and global education. The visitors also observed several science laboratories in this school.

The meeting between the Korean science educators and the staff of JST was so informative and fruitful to both parties. The differences and similarities between SCS and SSH were discussed in the areas of school curriculum, the support and management of schools, the evaluation of schools, and follow-up studies, etc. In addition, future cooperation was discussed to link SCS and SSH in the educational exchange. The second SSH visit was to the Tokyo Institute of Technology High School. In the class observation, it was impressive to me that there were two or more teachers in one laboratory at the same time, dividing the students and educating each group respectively. This visit opened another gateway to communicate about high school science education in Korea and Japan.



Collaborative Project in EASE

Project Title: 2010 Comparative Survey of Science Culture Indicators on National Level in East Asian Region

Young-Shin Park (Chosun University, Korea)

This new collaborative project within the East-Asia region commenced with the title of SCI (Science Culture Indicators) for 7 months from May to November 2010. The aim of this project is to develop SCI which can be used to monitor the status quo of the science culture of regions in the East-Asia area at the societal level, indicating how much regions in East Asia are scientifically literate in terms of current status in science culture infrastructure, its perceptions, and its benefits, which in turn can be used as a practical data source for establishing a policy of systematic science culture in East-Asia area. The research team develop SCI embedded in East-Asia science culture and investigate to release its different but specific status quo of science culture to be compared in terms of strengths and weaknesses crossing regions (Korea, Mainland China, Japan, Taiwan, and Hong Kong). Finally, we can apply this practical data for establishing systematic policies of regional cooperation in science culture and fostering its network cultures in the East-Asia area. This project is supported by KOFAC (Korea Foundation for the Advancement of Science & Creativity), and the participating scholars are Young-Shin Park, Jinwoong Song, Masakata Ogawa, Mariko Suzuki, Enshan Liu, Wenli Lin, May Cheng, and Chen-Yung Lin. The final report will be produced at the end of November 2010.

Conferences around the world

The XIV IOSTE International Symposium

Jun. 13-18, 2010 @Bled, Slovenia.

<http://www.ioste.org/symposia.htm>

WorldSTE2010 (ICASE2010)

Jun. 28-Jul.2, 2010 @Tartu, Estonia

<http://www.icas2010.org/>

9th International Conference of the Learning

Sciences Jun. 29 – Jul. 2, 2010 @Chicago,

IL, USA <http://www.isls.org/icls2010/>

41st ASERA 2010 Jun.30- Jul.3, 2010

@ Newcastle University, NSW, Australia.

<http://asera.org.au/>

10th European Conference on Research In

Chemical Education/4th International

Conference on Research in Didactics of the

Sciences Jul. 4-9, 2010 @Krakow, Poland.

<http://ecrice2010.ap.krakow.pl/>

9th International Conference on Computer

Based Learning in Science

Jul. 4 - 7, 2010 @Warsaw, Poland

<http://www.cblis2010.waw.pl/>

8th Conference of European Researchers in

Didactics of Biology (ERIDOB)

Jul. 13-17, 2010. @ University of Minho,

Braga, Portugal

<http://projectos.iec.uminho.pt/eridob/>

EASE Summer School 2010

Jul. 18-23, 2010 @ National Taiwan Normal

University (See page 1)

Call for information and report !

When you find conference information not shown here, that is the first chance to contribute to EASE. Returning back from conferences shown here, that is the second chance. Please send information and report with a copy-right free photo to any secretary. Thank you!



Spielgabe, 恩物 -1-

The instruction begins by comparing the weight of two coins of the same denomination but made in different years (old and new). After receiving the students' opinions with reasoning, the instructor asked them how to compare the coins. Following comparison by hand which was in vain, the instructor welcomed an idea from a student to use a balance, which has large paper plates on each side, sustained with different lengths of string. It matches horizontally at first without any weight. The instructor placed the coins on the balance as shown below, and it was found that the old coin was heavier. Followed a suspicious student's suggestion, the positions of the two coins were swapped. This time the balance showed that the new one was heavier. The confused students discussed the causes of this unacceptable

7th International Conference on Hands-on

Science Jul. 25 - 30, 2010 @The

University of Crete, Rethymno, Greece

<http://www.clab.edc.uoc.gr/hsci2010/>

60th Annual Meeting of the Society of Japan

Science Teaching (SJST) Aug. 7-8, 2010

@Yamanashi Univeristy, Kofu, Japan

21st International Conference on Chemical

Education Aug. 8-13, 2010 @ Taipei,

Taiwan <http://icce2010.gise.ntnu.edu.tw/>

The 8th International Conference for the

History of Science in Science Education (8th

ICHSE) @Mareasias, Sao Paulo, Brazil,

Aug. 16-19, 2010.

<http://www.hpsst-brazil2010.org/>

Environment and Health in Science Education

Aug. 18-21, 2010 @University of Zurich

<http://www.igb.uzh.ch/lehrstuehle/lehrstuhk>

yburz/International-Conference.html

64th Annual Conference of the Japan Society of

Earth Science Education

Aug. 21-23, 2010 @Kagoshima,

<http://www.sci.edu.kagoshima-u.ac.jp/~ees2010nenkai/>

Int. Geoscience Education Organisation

(GeoSciEd VI) Aug. 29 - Sep. 3, 2010,

@Johannesburg, South Africa,

<http://web.wits.ac.za/NewsRoom/Conferences/GeoSciEd>

34th Annual Meeting of Japan Society for

Science Education (JSSE) Sep. 10-12, 2010

@Hiroshima, Japan <http://www.jsse.jp/>

7th International Conference on Intercultural

Communication Competence

Sep. 14-16, 2010 @Far Eastern State

University of Humanities., Khabarovsk,

Russia. <http://www.ael.ru/iccc7>

SMEC 2010 Sep. 16-17, 2010

@Dublin City University, Ireland.

<http://www.dcu.ie/smec/2010/index.shtml>

2nd East Asian International Conference on

Teacher Education Research Dec. 15-17, 2010.

@Hong Kong Institute of Education,

<http://www.ied.edu.hk/eai-conference2010/>

The 23rd Biennial Conference of the Asian

Association for Biology Education (AABE)

Oct. 18-20, 2010 @ National Institute of

Education, Nanyang Technological

University, Singapore.

<http://www.nsse.nie.edu.sg/aabe2010>

Global Chinese Conference on Science

Education 2010 (GCCSE) Dec. 20-21 2010

@ The Hong Kong Institute of Education,

<http://www.ied.edu.hk/gccse/> (See p.3)

epiSTEME 4 (4th International conference to

review research on Science, TEchnology and

Mathematics Education) Jan. 5-9, 2011

@Homi Bhabha Centre for Science

Education (TIFR), Mumbai, India

<http://episteme4.hbcse.tifr.res.in/>

ASTE (The Association for Science Teacher

Education) 2011 International Conference

Jan. 20-22, 2011 @ Hilton Minneapolis,

MN, USA. <http://theaste.org/>

Exploring Leadership & Learning Theories in

Asia (ELLTA) Feb.15-18, 2011 @ Malaysia

<http://ellta.org/>

NSTA's 2011 National Conference

Mar. 10-13, 2011 @ San Francisco, CA,

USA.

NARST 2011 Apr. 2-6, 2011 @Orlando, FA,

USA <http://www.narst.org/>

ESERA 2011 Conference Sep 5-9, Lyon,

France, Subm: Jan 10, 2011

<http://www.esera2011.fr/>

EASE 2011 Chosun University, Gwangju, Ko-

rea. Oct. 26-29, 2011 (See this page)

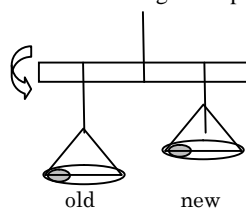
theease.org/conference

Abstract submission: May 31, 2011

Full paper(Optional): Jul. 31, 2011

phenomenon. (1) The weights of the coins, (2) the lengths of the strings, and (3) the coin positions on the plates were all checked and revealed that they were not the factors. Additionally, (4) the length from the edge to the string, and (5) the weight of the string and paper plates were the same on both sides.

This is the balance which inclines to a certain side when two objects of the same weight are put on it, and which was developed by Mr. Masayoshi Ogisu & Mr. Fujio Hiramatsu at the attached elementary school of Tsukuba University, Japan, for students to inquire into the rules of precise balance. The important factors are (6) the length from the center



and (7) ... For further information, access: <http://rika2.edu.ibaraki.ac.jp/auth-rika/> Teaching plan of Chinese, Korean, English and Japanese versions are waiting for your access. Hisashi Otsuji, Ibaraki Univ., is happy to tell you how to make this thought provoking educational material.

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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 two to four 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/Home/>

Don't hesitate to contact me for further information. *Young-Shin Park (Chosun University, Korea, parkys@chosun.ac.kr)*

