



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

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International Conference of East-Asian Science Education Closed in Success!

東亞科學教育研討會 First Biennial EASE Conference

Special Issue of
the 1st Conference.

The first Biennial Conference: *International Conferenc of East-Asian Science Education* was held in Howard International House, Taipei, Taiwan from Oct.21 to 23, 2009 and closed in success. We had 6 invited speeches, 115 oral presentations, 2 workshops and 126 posters with about 500 participants. Here is greeting messages from the chair and the coordinator:

Dear participants, supporters, guests, and friends of the 2009 EASE Conference,

I am writing this letter with pleasure to express our thanks to all of you, at total of nearly 500 people from 15 different regions. Thanks to your participation, support, enthusiasm and contribution, we could have a wonderful conference experience. We are recalling many wonderful experiences during the Conference, as well as the achievements .

We would like to thank seven invited speakers: Prof. Osborne, Prof. Dillon, Prof. Tobin, Prof. Gilbert, Prof. Taylor, Prof. She, and Prof. Treagust (http://esciedu.nctu.edu.tw/ease/en/invited_speakers.php). Their speeches not only attracted a large audience, but also sparked in-depth discussions of new science education in East-Asian Regions. Special regards also go to Prof. Treagust who has done so much for 2009 EASE. Even though he could not be with us this time, we wish everything goes so well and that we can meet him soon.

We would also like to thank all the authors of papers (http://esciedu.nctu.edu.tw/ease/en/conference_program.php) for your contribution of sharing your knowledge and insight to the conference. Especially, for many of those who have given their first English presentations in the conference. We understand how stressful it is. We hope you enjoy the growth and the experience!

To all members in Advisory Committee, and Supporting Teams in National Taipei Univ. of Education, The Science Education Association, Taiwan, and The East-Asian Association for Science Education (<http://esciedu.nctu.edu.tw/ease/en/committees.php>), we would like to thank you for your long-term efforts for putting the conference together. President Masakata Ogawa's, President Mei-Hung Chiu's, Prof. Jinwoong Song's, and President Hsin-fa Lin's impressive leaderships have made the conference function so well. Also, we cannot forget to mention the financial support from our National Science Council, without this crucial support, this conference would be impossible. Special thanks should go to Director Hu, Chih-Wei and Former Director Lin, Chen-Yung!

To all reviewers and moderators who voluntarily serve the science education community, we appreciate your contribution . During the invitation stage, we received very positive responses and many scholars whom we have contacted, consented to offer help. We believed that you have set a model for new comers. We should also take the chance to thank Prof. Huann-shyang Lin, the Academic Chair, who spent enormous amounts of time and energy for conference papers.

We would also like to thank institutes and schools for adding special characteristics to the conference: students from Department of Music, Ocarina Club, and Goodwill Ambassadors

from National Taipei University of Education as well as The Diabolo Team from Taipei Mingdao Elementary School for their splendid performance in the Conference Banquet. In addition to these, Taipei Municipal Nan-Hu Elementary School and Dahu Elementary School, National Theater Concert Hall, National Taiwan Science Education Center, The Discovery Center of Taipei City Government, and National Palace Museum have provided the conference a window for knowing more about Taipei and Taiwan and made the conference so special.

Last but not least, we thank you for whatever you have done for the 2009 International conference of East-Asian Science Education, the first Biennial EASE Conference and science education. We believe we are doing something right for our next generation. Hope you have enjoyed your experience in Taiwan. We are looking forward to seeing you in Taiwan soon and 2011 EASE in Korea!

Ching-Yang Chou, Professor, National Kaohsiung Normal Univ.
Conference Chair, 2009 EASE Conference

Chi-Jui Lien, Professor and Vice President, National Taipei Univ. of Education
Conference Coordinator and Project Manager,
2009 EASE Conference



The Proceeding is being processed and full papers are under review. It is scheduled to be published by the end of December 2009. The petition proposed during the Conference is shown on page 4.



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



UCHIDA

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

"If you want to understand what a science is you should look in the first instance not at its theories or its findings." Clifford Geertz.

Personal Reflections on EASE 2009

John K. Gilbert (Professor Emeritus, The University of Reading, UK)

The three major elements to the programme were each of contrasting interest. The Invited Speeches provided access to assemblies of diverse ideas and literatures. The Reports from the Five Constituent Regions provided insights into the opportunities and challenges currently being faced, factual information on achievements, ambitions, trends, and potential sources of future collaboration and cooperation. It was interesting to hear how several regions are either refocusing established organizations or setting up new ones in order to meet the great challenges that science education currently faces. The very large numbers of Presentations and Posters reflected the great diversity of work being undertaken. I think that substantial and sustained progress will be made when groups of researchers, whether within an institution or across institutions or even regions, come together cooperatively on common themes. The notion of 'critical mass' in producing major research outcomes is well established in the literature. Whilst much of the work displayed reflected regional manifestations of global concerns e.g. the expansion of 'inquiry-based learning', together with aspects of the implementation of current curriculum innovations, the studies were very largely confined to the provision of formal education in schools. There is considerable scope for work in respect of informal science education e.g. through the internet, in respect of local regional cultural concerns e.g. the use of specific languages in education, and in respect of adults e.g. in respect of environmental education.



The excellent pre- and on-site-organization of the conference ensured that a relaxed and profitable use of the time available was had by all participants. Basing the meeting in a hotel with conference rooms ensured that the best use was made of the time available. The timings of sessions, if somewhat 'tight' in the light of the wish for discussion with colleagues, were precisely adhered to. It would have been helpful, given the time that making meaningful contact with people from other regions takes, if there had been more opportunity for casual meetings. It is the forming of such relationships that is, in the longer run, the best outcome of such a conference. Having the poster sessions at times when nothing else was scheduled would have helped a great deal in this regard, as would the allowance of more space in front of posters for small groups to form.

The cultural events at the end of the conference were, however, not only valuable in themselves but also offered opportunities to consolidate new friendships. The visit to Taipei Municipal Nan-Hu Elementary School provided an impressive opportunity to see teaching that combined the use of the school grounds with that of high-tech presentational equipment. The display of juggling at the conference dinner was truly wonderful: it was a delight to see such skill, cooperation, poise, and obvious enjoyment, shown by these young students.

Science education in East Asia has made great strides in the last decade: the progress of EASE in one short year is truly phenomenal. Very shortly, there will be at least three major world-level conferences dedicated to science education: those organised by: East Asia Science Education, the USA-based National Association for Research in Science Teaching, and the European Science Education Research Association. This will enable perspectives on science education, which is in itself a world-level issue, to be integrated at world level. I certainly look forward to EASE2011 in Korea.

Myunghwan Shin (Seoul National University, Korea.)

This year is one of the most meaningful years to me because I took my first step into the "real world of research." My first experience of international conference started with EASE 2009 in Taipei, Taiwan. I was very grateful to have such opportunity to present my own research (role of language in science education) which is the topic of my thesis for the master's degree. I had a chance to discuss about science language with Dr. Sumida from Ehime University in Japan who had similar interest in linguistic features in science textbooks.

Many graduate students from many Asian regions participated and presented their work like me. Although we use different languages, have different cultural backgrounds, view points, and educational contexts, we, as future experts, had something in common: we share research interest area as well as concerns for practical issues in science education.

EASE introduced broader views of research and recent efforts in science education. Speeches of invited speakers gave me chance to reflect on the way of doing research and its meaning. They really motivated me!

EASE also represented the potentials of Asian researchers who are going to join the leading group in the field of science education overcoming the language problem. I wish to experience more diverse perspectives and active discussions in the next EASE conference.

The city tour was very impressive though it was cloudy and raining. The people in Taiwan were also unforgettable because they were so kind to us. I look forward to see all of you at EASE 2011 which will be held in Gwangju, Korea.



Akiko Tsuzuki (Marine Learning Center, Japan.)

It was a great opportunity for me to attend EASE in Taipei. Although science education in East Asia has been influenced by the West, some presentations gave me clues to approaching the issues around science education from East Asian perspectives. I was also able to share the problem over training science journalists with the audience after my presentation on the trends of science and technology communication at higher education institutions in Japan. A series of lectures by world renowned guest speakers showed me the clear map of recent developments in science education. In addition, what an amazing party! I am sure all the participants will never forget the children's wonderful performances as well as the dishes at the dinner served one after another! If I had to say one thing, it would be much better if we could have spent more time on the session of region-specific science education.

Anyway, I thank all the staff at the conference for their energetic works and hope to see you all again in Korea!

"Young Scholar's Traveling Awards" was given to following awardees from the Vice-President Prof. Enshan Liu, in the Opening Ceremony. Congratulation!

Nilda Balsicas, Philippines
Nan Chen, China
Chanyah Dahsah, Thailand
Jane-Jiyoung Lee, Korea
Fei Yin Lo, Hong Kong
Kongju Mun, Korea
Maohua Wang, China

(Listed Alphabetically by Last Name)



EASE Distinguished Service Award

Prof. Sung Jae Pak, Chair Professor of Science Education of Daegu University, and Emeritus Professor of Seoul National University, Korea, started his academic career in Physics Education at Seoul National University and got PhD in science education at University of Northern Colorado. The following career shows how much he has been devoting his time on science education research enhancement in Korea: 1st President of Korean Association for Science Education, 1st President of Korean Association for Subject Matter Education, Steering Committee Member of IUPAP-International Commission of Physics Education, President of Korean Federation of Science Education Societies, and 1st President of Association of Special Science Education Research.



Prof. Din Yan Yip, Adjunct Associate Professor, Chinese University of Hong Kong, has background of biological science at University of Hong Kong. After finishing his degree at University of Nottingham (Ed.D. in Education), he has been working as Senior Curriculum Officer, Vice Principal & Head of Biology & Integrated Science at Raimondi College, Graduate Master at Ming Kei College and working on curriculum development, program leadership, assessment etc.



EASE Distinguished Research Award

Prof. Chong-Jee Guo, Chair of Science Education, National Changhua University of Education, Taiwan (Ph.D. in Physics at Brown University), has been working as the President of National Taitung University of Education, Chair of Science Education at National Changhua University of Education, Director of Science Education Division of National Science Council and the Dean of College of Education, National Changhua University of Education. He founded the Graduate Institution of Science Education at NCUE, has been leading many nationwide research projects on science education and established a firm link with international leading scholars.



Prof. Jong-Hsiang Yang, Emeritus Professor of National Taiwan Normal University, started his academic career in Biology at National Taiwan Normal University and got PhD in Education at University of Nebraska-Lincoln. Experienced the Professor of Life Science at National Taiwan Normal University, Associate Professor at National Kaohsiung Normal University, he has been leading many nationwide research projects on science education and published many research papers in international journals and proceedings.



EASE Executive Members Meeting and General Assembly (Summary)

To avoid overlapping, here shows other information not shown on this paper.

Dates: Executive Board Meeting: Oct. 21
General Assembly: Oct 22, 2009

Executive Members and Staffs

(new Executive members) Shown at p.8.

(Headquarter Office) Shown below.

(We realized that the Article 4.3 of Constitution interpreted differently among the regions, and that we need to come to a shared interpretation before the next election.)

Election of New Offices

(from Nov. 2009 to Oct. 2011)

President: Jinwoong Song (Korea),
Vice-President: Enshan Liu (China Mainland),
Vice-President: Chen-Yung Lin (Taiwan),
Secretary: Alice Wong (Hong Kong),
Treasurer: Mariko Suzuki (Japan)
Secretary Office: Young-Shin Park (Korea) & Hisashi Otsuji (Japan)

Report from the Headquarter Office

http://theease.org/about_ease

(1) Annual Report of EASE

'Annual report of EASE 2007-2008' (from Feb 26-28 2007 to Dec 31st 2008) had been uploaded on EASE website. Annual Report 2009 from January to September was reported.

(2) Annual Financial Report

'Report of EASE audited account' (January to December in 2008) was sent through email on March 29, 2009 to all the EASE paid members. Financial Report from January to September 2009 was reported.

(3) Move of Headquarter Office

From Seoul National University to Chosun University, Korea.

(4) EASE Award

The final results by the Executive were officially approved and presented as shown in this newsletter.

(5) Amendment of the Constitution

A maximum number of Executive Members from each region shall be set in four, because the Executive as a practical decision-making body should consist of a limited number of representatives. Present Article 4.3: The Executive shall consist of elected members, with at least two representatives from each constituent regions of The Association.

New Article 4.3: The Executive shall consist of elected members with two to four representatives from each constituent regions of The Association.

(6) Venue of the: EASE2011

Gwangju, Korea (further information at p.4)



Call for Donations !

Some offers of donations were received by the secretary. Just submit your interest to the secretary. You are always welcomed (^o^).

Lesson Study Seminar in Japan

Graduate School for International Development and Cooperation (IDEC) of Hiroshima University, is going to hold the 23rd APEID (Asia-Pacific Programme of Educational Innovation for Development) Hiroshima Seminar from Jan. 18 to 21, 2010 at Hiroshima University, Japan, entitled: "Development of Teaching Profession by Lesson Study -1-" focusing on "Current situations and issues of in-service training in East and South Asian countries." It starts with the following open lecture:

Time & Date: 13:00 – 15:00, Mon. Jan. 18, 2010

Venue: Conference Room, IDEC, Hiroshima University, Japan

Invited Speaker: Dr. Catherine Lewis, Mills College, Oakland, CA, USA.

Title: The Development of Lesson Study in the United States of America

Dr. C. Lewis is known as the author of "Educating Hearts and Minds: Reflections on Japanese Preschool and Elementary Education"



Petition (祈願書)

“Working Together for a Successful Future in East-Asian Regions” “攜手共創東亞地區的璀璨未來”

For assuring the continuous development in East-Asian regions and the future success of our next generation, we are here calling upon the societies, authorities, schools, science educators, teachers and students, and all public and private sectors to work together to achieve following goals:
(為確保東亞區域的持續發展並讓我們的下一代能有一個成功的未來，我們齊聚於此，籲請我們的社會、主管部門、學校、科學教育者、教師與學生，和所有的公、私部門單位，齊力達成以下的目標：)

1. Maintaining the outstanding quality of science education in the East-Asian regions.
(維持東亞區域的一流科學教育水準。)
2. Continuing the recruitment of new science teachers to ensure the vitality of science teachers community.
(維持區域內科學師資新血的穩定注入，確保師資活力。)
3. Constructing the closest cooperation for exchanging and sharing knowledge, ideas, and experiences in science education to make East-Asian regions become one of the most prosperous areas in the world.
(建構區域內最緊密的合作，以交流分享科學教育的知識、想法與經驗，共促東亞區域為世界上最興盛的區域之一。)

at:

The 2009 International Conference of the East-Asian Science Education and The First Biennial Conference of East-Asian Association for Science Education
(2009 東亞科學教育研討會、東亞科學教育學會第一屆雙年研討會)

Oct. 21, 2009, Taipei
(2009年10月21日在台北)

by:

Chair (大會主席):

Ching-Yang Chou 周進洋教授 (Professor, National Kaohsiung Normal University)

Co-Chairs (共同主席):

Masakata Ogawa (Prof. of Tokyo University of Science, 東京理科學大) 東京理科學大

Mei-Hung Chiu 邱美虹教授 (Prof. of National Taiwan Normal University, 國立台灣師範大學)

Huann-shyang Lin 林煥祥教授 (Professor, National Sun Yat-sen University, 國立中山大學)

Chao-Ti Hsiung 熊召弟教授 (Professor, National Taipei Univ. of Education, 國立台北教育大學)

Program Chair (程序主席):

Chi-Jui Lien 連啓瑞教授 (Professor, National Taipei Univ. of Education, 國立台北教育大學)

Realizing and following the custom of Taiwan, this petition was celebrated and declared as an activity of the EASE 2009.

GWANGJU TO THE FUTURE!

Welcome to Gwangju (光州),

City of Light, for the EASE 2011.

City of Light, Gwangju, stands for the center of culture in Korea. Gwangju was established in 57 BC, and has been a major political and economic centre of Korea ever since with its population of 1,415,953. It was one of the administrative centres of Baekje during the Three Kingdoms Period and Gwangju is the fifth biggest city in Korea. Gwangju as the modern as well as historical city has many features to experience. Especially art festival, which is named as Gwangju Biennale, started in September 1995 and it was Asia's first contemporary art biennale. The purpose of Gwangju Biennale is globalization of art and it respect diversity rather than uniformity. More than 500 artists and performers from 60 countries, and a modest contingent of foreign curators and critics descended on this provincial capital, whose 1.4 million citizens had virtually no prior exposure to international contemporary art. You can find the integration of science and art!

Don't miss to visit Gwangju in 2011 for the 2nd EASE international conference. We see you in Gwangju, Korea 2011.



Greetings from the President

Jinwoong Song (Seoul National University, Korea)

Dear Members, Supporters, and Friends of EASE,

Time flies like an arrow. It has been already two months since the first EASE conference was held with a great success in Taipei, Taiwan in October, 2009. It is my great honor to say "Hello" to all of you and to express my special thanks to you for your participation, contribution, and support toward EASE and 2009 EASE Conference. With this opportunity, I also would like to express my deepest thanks to Professor Masakata Ogawa, the first president, who had been and is still working devotedly for EASE. We are also grateful for the hard work and wonderful job of our colleagues in Taiwan.

EASE is a young association, at the moment just two-years old. Compared with other national or international organizations for science education, surely EASE is still a small, premature, and unprompted association.

But, at the same time, it is true that EASE is growing very fast, energetic and dynamic, and full of ambition and prospect. East Asia is unique in many respects: the highest student science achievement in the world; a region of valuing and respecting education and teachers; the fastest growing economy including modern science and technology; and the most active group of researchers and experts in science education. With these common backgrounds, EASE is soon to be one of the leading international organizations of science education. Though in its infancy, EASE is soon to be a giant. In this sense, I am truly honored to lead this prospering association for the next two years.

It seems that there are several issues which EASE needs to consider, such as: (1) upgrading our web-site to a portal based site with comprehensive information for effective and efficient communication; (2) expanding our membership and encouraging members' active participation; (3) strengthening our partnership with other already existing associations, like NARST, ESERA, ASERA, ICASE, and IOSTE; and (4) increasing our constituent regions across South and East Asia.

Needless to say, these and other issues cannot be resolved without active participation and cooperation from all of our members. I can promise that my new team and I will do our best for EASE for the coming two years. If you have any concerns in regards of the development of EASE, please let us know any time. We welcome any idea and comment from you.

With all the best wishes,
Jinwoong Song 宋眞雄



Distinguished Visitors from Czech and Slovak

CHENG, May Hung May (Hong Kong Institute of Education)

Prof. Franz Schauer and Dr. Miroslava Ozvoldova visited The Hong Kong Institute of Education (HKIED) from 26 to 29 of Oct., 2009 and delivered a public seminar on "Integrated e-Learning with remote experiments for science and technology education in the era of networking" at the Department of Science and Environmental Studies. Although Prof. Schauer comes from the Polymer Centre of the Faculty of Technology and Faculty of Informatics, Tomas Bata University in Zlin, Czech Republic, he is also affiliated with the Faculty of Education, University of Trnava, Slovak Republic. His main research activities are molecular electronics, computer assisted experiments, and e-learning in physics teaching. Dr. Ozvoldova is an associate professor from the Faculty of Education, Trnava University in Trnava, Slovak Republic. Her main research activities include optical properties of chalcogenide and heavy metal optonic glasses and e-learning in Physics teaching. They have developed an e-laboratory with remote experiments across the internet (see www.ises.info) using the Internet School Experimental System, e-simulations and e-textbook. Through the internet, their system enables students to carry out remote observations of real world phenomena, conduct data collection and their evaluation, search for relevant information, its classification and storing. Prof. Schauer and Dr. Ozvoldova also discussed with the science educators at HKIED on the possibility of research collaboration to adopt and port their online remote experimentation system to Hong Kong and China after some necessary localization processes.



National Association for Science Education in China Recently Established

Bangping Ding (Capital Normal University, Mainland China)

On November 9th to 11th, 2009, the National Association for Science Education (NASE), which is one of the many branches of the Chinese Society of Education, was formally established in Nanjing, China, during the 4-day founding conference.

There were 370 participants present in the Nanjing founding conference. Professor Wei Yu of Southeast University in Nanjing, who is a member of the Chinese Academy of Engineering (CAE) and the vice chairperson of the China Association for Science and Technology (CAST), was elected as the founding president of NASE, and Ms. Zhirong Wei, vice Editor-in-general of the People's Education Press; Professor Xingkai Luo of Guangxi Normal University in Guilin, Guangxi province; and Professor Shujin Peng of Sichuan Normal University in Chengdu, Sichuan province were elected as standing vice presidents, with 8 others elected as vice presidents. Ms. Mao Cai, an editor with the People's Education Press was elected as the secretary-general.

The National Association for Science Education (NASE) in China consists of three working committees, each representing primary school science education, secondary school science education, and science teacher education in institutions of higher learning respectively. A total of 43 standing members and 133 members are elected for the three committees. They represent primary science advisors and teachers, secondary science advisors and teachers, and science educators and researchers in colleges and universities and/or other research units involved in science education.

The official website of the new association is www.nase.org.cn and will be soon opened.

The establishment of the National Association for Science Education is aimed to promote and advance science education reforms and science education research in mainland China.



Message from Retiring President

Masakata Ogawa (Tokyo University of Science, Japan)

On the very occasion of Closing Ceremony of EASE2009, I was suddenly requested to say some closing words as the EASE president from the Conference organizer, Professor Lien, whose leadership led the Conference to great success. My short message began from a phrase 'I am now feeling 'comfortable tiredness.'" Suddenly, I was at a loss for words for a while. I myself was surprised at this curious phrase 'comfortable tiredness,' which came out of my mouth unconsciously. But, now I realize that it was my honest feeling at that time. While I felt a little tired with my heavy burden for these initial years as the president, I was very satisfied with the success of EASE2009. It was a very rewarding experience for me as the president. In this sense, I did feel 'comfortable.'



On February 27, 2007 I was elected to the Chair of the EASE Preparatory Committee by the Committee members, and since then, I tried to do my best to make our dream come true, of course, with our members' strong support, passion and enthusiasm. On October 31, 2007 when the EASE finally launched, the Executive members again elected me to the President for two more years. Since I had still no confidence of my capability to lead our association in the very initial phase, I had been feeling a kind of stress in my mind. However, happily enough, again, our Executive members as well as our Secretary Office members had been so supportive to make our association move forward. Without their passion and efforts, our association could not have survived. I must express my special gratitude to all of the colleagues, graduate students and friends who had been sharing responsibility with me.

For these years as the President of EASE, I have been keeping in mind that among our five regions there exist significant differences in ways of management in academic organizations as well as in political, economical, and cultural traditions in general. However, the Executive members were always positive and constructive to find out excellent resolutions to certain serious issues when they occurred. I believe that this is also the very reason why the association is of great success today.

As our new president, Professor Jinwoong Song, sometimes mentioned, there exists an atmosphere of 'friendship' among our EASE members, which is rather different from other associations in the world. I believe that it comes from our cultural tradition. Toward our next stage, under the leadership of the President, we must try to improve academic quality of our association, but still we should keep the atmosphere of 'friendship' in order to develop our association into a much more powerful one.

Finally, let me express my personal thanks to Professors Young-Shin Park and Hisashi Otsuji of EASE Secretary Office. They have been always supporting my work. I remember our communication through email channel usually happened in or extended to the mid-night or even at the break of dawn. Without their self-sacrificing contributions, I could not have finished my term successfully. I would strongly ask both of you to keep supporting our new President.

Best regards,

Masakata Ogawa 小川正賢

EASE Outstanding Paper Award

1st EASE Outstanding Paper Award was given to Dr. Jocelyn Partosa & Dr. Auxencia Limjap, for the paper entitled "Pre-Service Biology Teachers' Knowledge Structures of Photosynthesis" which revealed hidden conceptual structure among undergraduates in Philippine. The presenter was the EASE Vice-President, Prof. Huann-shyang Lin. Congratulations!



UNESCO Forum on Science and Technology Education in Asia and the Pacific

Shinho Jang (Seoul National University of Education, KOREA)

The 1st UNESCO Forum on Science and Technology Education in Asia and the Pacific was held from 29 to 30 September in Seoul, Korea. The forum was organized by Korean National Commission for UNESCO (KNCU) and Korea Foundation for the Advancement of Science and Creativity (KOFAC). Total 48 representatives participated from 13 Asian countries: Laos, Thailand, Vietnam, Indonesia, Malaysia, Uzbekistan, Bangladesh, Iran, Sri Lanka, Cambodia, China, Mongolia, and Korea.

During the two days, there were interactive and meaningful activities



among the participants in the forum. In the 1st day, Robert Lee, Deputy Director from UNESCO Jakarta, gave a keynote presentation entitled "STE and Education for Sustainable Development (ESD) in Asia and the Pacific." It was followed by the session with the representative of each country reporting on the current status of STE in each case. In the next day, proposals for future cooperative activities were discussed. The major topics included KOFAC's activities on STE and possible areas of future cooperation, curriculum development, improvement of learning, teaching methods and materials, assessments and tests, teacher training, informal STE, science gifted students, and STE & ESD.

Through the forum, all of the participants had great opportunities for exchanging their various experiences, concerns and perspectives of Science and Technology Education in Asia. Sharing their future views on STE, the participants all agreed to strengthening cooperation possibilities and activating interactive communication from now on. At the end of the forum, each participant anticipated to continue cooperative inter-country activities under the topic of STE. Also, all of the participants in the forum were grateful to UNESCO and KOFAC for launching and hosting the 1st UNESCO forum on STE

Short Letter from a Colleague

Dear EASE Colleagues,

The December newsletter of the IHPST group is now available on the web at:

<http://www.ihpst.org/newsletters.html>

from Michael Matthews (University of New South Wales, AU)

EASE Website Big efforts of EASE secretaries work is shown in this Newsletter, however, our website is facing technical difficulties. Secretaries are still struggling to organise it nicely. Now, please add "Home" after original URL as: <http://theease.org/Home/> This is the present prompt gate for further information of EASE. See you there!

Cheerful ISEC 2009 !

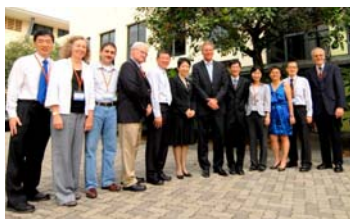
Yong Jae Joung (Gongju National University of Education, Korea)

The International Science Education Conference 2009 was held at the National Institute of Education, Singapore, 24th to 26th November 2009. The conference was jointly organized by the Ministry of Education and the National Institute of Education, Singapore, and supported by UNESCO.



The motto of the conference is 'Science Education: Shared Issues, Common Future'. That is to say, the conference viewed that the universality and centrality of science has the capacity to link different cultures and countries of the world. Therefore, science education can enhance the process through emphasis on shared issues and a common future. Responding to the motto of the conference, around 780 participants from 25 countries attended the conference and shared the recent issues in the region of science education.

There were lots of paper presentations (oral & poster) under 8 strands: Professional Development and Teacher Education, Science for Early Years, Assessment and Evaluation, Science in Informal Settings, Curriculum, Instruction & Policy, Innovations and New Technologies in Science Education, Science literacy and Nature of Science, Science Teaching and Learning. There were also around 20 workshops (e.g., The boar hunter: Indigenous knowledge in the wild) and several symposiums (e.g., Inculcating an awareness of environmental issues in primary school pupils). The welcome dinner was warm and wonderful as well. It was fortunate to communicate with many people from various countries. In short, the ISEC was a cheerful and integrative conference.



The International Science Education Conference 2009 (ISEC 2009)

Heung-Tae Kim (Seoul National University, Korea)

The ISEC 2009 conference began with an opening ceremony on the first day and the hall was crowded with enthusiastic participants during all keynotes. There was a wide range of presentations including 5 keynotes, 165 oral presentations, 33 poster presentations, 18 workshops, and 10 symposia. The keynote speakers included Larry Yore presenting the seminar titled "Science Literacy for All – More than a logo or rally flag!", Reinders Duit presenting the seminar titled "Conceptual Change – Still a powerful framework for improving the practice of science instruction", Foad Abe-El-Khalick giving a lecture titled "Nature of Science in Science Teaching and Learning: The Why, the What, and the How", Barbara Crawford giving a lecture titled "Moving Science as Inquiry into the Classroom: Research to Practice", and Benny Yung giving a lecture titled "Fairness and Professionalism: What Counts in School-based Assessment?". The weather in Singapore during the conference period was sunny and the participants had opportunities to exchange ideas with other researchers from many other countries, while enjoying the food and nature of Singapore. It was unforgettable to visit "bird park" to experience the wild ecology and to try the "chilly crab" which is popular food in Singapore.



Conferences in the World

6th International Conference on Environmental, Cultural, Economic and Social Sustainability.

Jan. 5-7, 2010 @Cuenca, Ecuador

<http://onsustainability.com/conference-2010/>

ASE Annual Conference 2010

Jan. 7-9, 2010 @Univ. of Nottingham, UK.

<http://www.ase.org.uk/>

ASTE 2010 International Conference

Jan. 14-16, 2010 @ Sacramento, CA, USA.

<http://theaste.org/>

6th International Conference on Science, Mathematics and Technology Education

Jan. 19-22, 2010 @Hualien, Taiwan

<http://block.sec.ntnu.edu.tw/3C/smte/index.asp>

NSTA 2010 National Conference

Mar. 18-21, 2010 @Philadelphia, PA, USA.

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

NARST 2010

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

Mar. 20-24, 2010 @ Philadelphia, PA, USA.

The 10th EUSCEA Annual Conference 2010

Apr. 26-27, 2010 @Berlin, Germany

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

20th Symposium on Chemistry and Science Education

May 27-29, 2010 @University of Bremen, Germany

<http://www.chemiedidaktik.uni-bremen.de/symp2010/>

The XIV IOSTE International Symposium

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

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

WorldSTE2010 (ICASE 2010)

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.cbli2010.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/>

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 ICHSSE) @Maresias, 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/lehrstuhlyburz/International-Conference.html>

Int. Geoscience Education Organisation (GeoSciEd VI)

Aug. 29 - Sep. 3, 2010,

@Johannesburg, South Africa,

Abstract Submission until Mar.3 2010

<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/>

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

Subm. of full papers/poster: Apr. 1, 2010

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

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

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

EASE 2011 Gwangju, Korea.

Contributors to this Issue

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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;

Amended and adopted part in General Assembly is highlighted in Blue color.

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:

- take charge of the affairs of The Association, including presiding the Biennial Conference of The Association;
- serve as a Chair of The Executive;
- 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)*

