



0. Introduction



- December 5, 2012 in Seoul, Korea...delegates safely arrived and the 3rd Asia Science Educator Academy smoothly kicked off, celebrated by the 1st snow of the year in Seoul. ☺

- Total of 56¹ passionate STEM policymakers, educators and supporters from 12 countries and regions gathered in support of capacity building of STEM educators in Asia.



- The ASEA week was full of spirits and excitements from learning, sharing, connecting and reflecting...**this progress report** aims to share, at least, key results and next steps with you in order to take ASEA and STEM education in Asia to the next level...together!



2. ASEA2012 Rising Stars!



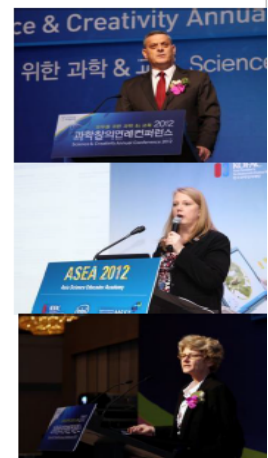
ASEA 2012

Asia Science Educator Academy

Scientific & Technological Literacy
Inquiry, Design, Discovery, Creativity & Character

High quality speakers were the key highlights of ASEA...below are top speakers and their talks especially loved by delegates, according to survey!

- **Plenary: Excellence through Education for All students, Hezki ARIELI, ICEE; Israel Center for Excellence through Education (+++++)** "He talks of the expert lecture it nearly trigger to make the best for our country!" "It's been inspiring...I still feel excitement in my heart!"
- **Scientific and Technology Literacy(STL) Hands-On Session: Inquiry in the Science Classroom, Design & Discovery, Intel® Educate Future Scientist , Theresa L. MAVES, Intel & Usha BHASKAR, Learning Links Foundation, India**
- **The Benefits of having a STEM Background, Sharon SNYDER, Manager of International Fairs and Volunteer Recruitment, Society for Science & the Public**
- **Online Labs for K-12 Science Experiments, Prof. Raghu RAMAN, Director, Center for Research in Advanced Technologies for Education, Amrita Univ India**
- **ASEA Welcome and Keynote, Dr. Anjan GHOSH and Dr. Martina ROTH, Intel**
- **Science For Everyone: The Social Role of Corporations and Non-Profit Organizations, Elizabeth MARINCOLA, President, SSP**
- **Creativity and Character Education In Korean Elementary Mathematics Textbooks From The STEAM Perspectives, Prof. Mangoo Park, Seoul National University of Education**
- Country report-out on action plans got also high ranks; Asia delegates, pls take the bow!!!



Program - Day2

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Time	Program
09:00-09:15 (15min)	Day 2 Announcement/Review Day 1
09:15-09:45 (30min)	Innovative Shop Talk - 3 KOFAC and Its Innovative STEM/STEAM Education / Dr. Jean Soo CHUNG, Director, Division of Math and Science Education Policy, KOFAC
09:45-09:50(5min)	Proceed to Grand Opening Venue / Be seated for Grand Opening Performance
09:50-12:00 (130min)	Grand Opening of Science & Creativity Annual Conference 2012 Opening Remarks / Hyeryun KANG, President, KOFAC Congratulatory Remarks / Ju-Ho LEE, Minister of Education, Ministry of Education, Science and Technology Plenary Sessions 1. Science For Everyone: The Social Role of Corporations and Non-Profit Organizations / Elizabeth MARINCOLA, President, SSP; Society for Science & the Public 2. New trends of Science communication - Science Programs for Adults In European Science Museums / Robert FIRMHOFER, ECSITE; European network of science centres and museums 3. Excellence through Education for All students / Hezki ARIELI, ICEE; Israel Center for Excellence through Education
12:00-13:30 (90min)	Day 2 Lunch & Visit to Exhibition by KOFAC's Science & Creativity Annual Conference 2012
13:30-13:40(10min)	Welcome Remarks for ASEA delegates from KOFAC / Hyeryun KANG, President, KOFAC
13:40-13:50(10min)	Group Photo
13:50-14:20 (30min)	Innovative Shop Talk - 4 Inspire our youth with Interactive STEM contents beyond the classroom. • Prof. Nam-joon CHO, Associate Professor at Nanyang Technological University in Singapore, Principal Investigator at the Singapore-MIT Alliance for Research and Technology, Deputy Director of the Nanyang Institute of Technology in Health and Medicine, & Visiting Associate Professor at Stanford University. • Prof. Jaywon LEE, Centre for Corporate Social Responsibility, Korea Advanced Institute of Science and Technology
14:20-14:55 (35min)	Innovative Shop Talk - 5 (Special Webinar Session) Online Labs for K-12 Science Experiments • Prof. Raghu RAMAN, Director, Center for Research in Advanced Technologies for Education (CREATE@Amrita), Amrita University, India
14:55-15:10(15min)	Afternoon Break
15:10-16:20 (70min)	Scientific and Technology Literacy(STL) Hands-On Session: Experiencing Transformative Contents STEM Contents - Hands-on session on a variety of Innovative contents and STEM unit plans including technology rich units using PBA approaches, Design & Discovery for engineering design, Research-based simulation of physical phenomena and online tools creating active learning environments etc. • Theresa L. MAVES, Intel K-12 Social Media and Training Manager, Intel Corp. Education Intel® Future Scientist Program / Usha BHASKAR, Program Manager, Learning Links Foundation, India
16:20-16:25(5min)	Bio Break
16:25-17:25 (60min)	Country Panel Discussion II - Focus on Transformative STEM/STEAM Contents; Inviting country speakers and panelists • Sharing of country key STEM contents and resources to build competitive nation • Challenges and collaboration opportunities • Lessons Learned from Asia countries Innovating School Science Content through the SLIM approach (20min) • Prof. Chun-Yen CHANG, Research Chair Professor of NTNU, Adjunct Professor of Graduate Institute of Science Education & Department of Earth Sciences, Director of Science Education Center, Taiwan STEAM Learning Case Analysis / Kyung Mee PARK, Seoul National University Middle School, Korea (10min) Applying Integrated Science Into High School Biology Classes In Korea / Yejun BAE, Seoul Culture High School, Korea (10min)
17:25-18:15(40min)	Country Action Planning I
18:15-18:30 (15min)	Evaluation & Day 2 wrap-up
18:30-21:30(180min)	Team Dinner @ Seoul Tower & Short tour to Myung-dong & Insa-dong