



**WorldSTE2013 Borneo**  
*Live Science, Love Learning, Create Change*

# World Conference on Science and Technology Education 2013

Sarawak, Borneo, Malaysia

29 September – 3 October 2013

**First Announcement**



Sarawak Government



Sarawak Teachers Union





# ICASE Borneo World Conference on Science and Technology Education (WorldSTE2013)

*'Live science, Love learning, Create change.'*

## WELCOME

In the year of the 40<sup>th</sup> anniversary of the International Council of Associations for Science Education (ICASE), the 4<sup>th</sup> World Conference on Science and Technology Education (WorldSTE) will warmly welcome all who are interested in becoming involved with this very significant and global event. Kuching, Malaysia provides a wonderful location for the 4<sup>th</sup> WorldSTE Conference, with an anticipation of superb quality and accessibility for all in the exotic Borneo region, renowned as a biodiversity hotspot and centre of indigenous culture.

ICASE and GRAIN-ICID are partners committed to organizing the biggest and best World STE Conference, aiming to build capacity in the science field through education, in an environment of friendship and harmony.

We invite you to join us and an estimated 2000 delegates in Kuching, Malaysia in 2013.

### Conference Convenors



Elaine Horne  
International Council  
of Associations For  
Science Education  
(ICASE)



Scott Campbell  
International  
Centre for Industry  
Development  
(GRAIN-ICID)



## Date

The WorldSTE2013 will be held from 29<sup>th</sup> September to 3<sup>rd</sup> October 2013.

## Venue

The Borneo Convention Centre Kuching (BCKK) will be the host venue of the WorldSTE2013. The convention centre is located a mere 8km from the city centre of Kuching in Sarawak, and looks over the magical Sarawak River offering a 5-star standard.



## Hotels

Kuching is host to a range of hotels and accommodation options. These vary from 3 star to 5 star options. Some accommodation options include:

- The Hilton Kuching
- The Pullman Kuching
- Four Points by Sheraton
- Harbour View Hotel
- Penview Hotel Kuching
- 360 Hotel
- The Grand Margherita Hotel
- Hotel Grand Continental Kuching



# Destination Kuching Sarawak, Malaysia...

The city of Kuching is located in the state of Sarawak, one of the two Malaysian states on the island of Borneo. Sarawak, known as the land of the hornbills, is characterized by a multitude of tribal and ethnic groups, providing a showcase of diverse cultures and traditions.



The capital city of Kuching is known as the 'Cat City' and is located on the Sarawak River. Kuching is famous for its colourful cultural performances, British colonial architecture and remarkable sightseeing attractions. The tourist belt includes the waterfront and the Main Bazaar which has old shop houses selling local artifacts and produce. The city also lays claim to nine museums, including the Sarawak Museum which has one of the region's best ethnographic collections.

Mulu National Park is one of Sarawak's World Heritage Sites containing the largest limestone caves in the world. This national park along with other national parks, house a vast diversity of plant and animal life, intriguing for all those interested in bio diversity. has beautiful emerald waters, a tropical rainforest and golden beaches where Green Turtles lay their eggs. Loagan Bunut National Park houses the most spectacular bird life, and the Niah Caves is the archaeological site of 40,000 year old human remains.



As an eco-adventure destination, Sarawak also offers trekking, rafting and diving in areas such as the magnificent Belais Reef. There are also a range of rehabilitation centers for endangered animals such as the Orangutans.

The state of Sarawak provides an abundance of natural and cultural treasures, just waiting to be discovered by those who can appreciate its inevitable beauty.



# Proposed Program

## Sunday 29<sup>th</sup> September 2013

Registration will open after lunch for delegates to register. In the early evening there will also be a Welcome Presentation and the launch of the WorldSTE Conference, followed by a Welcome Reception cocktail party.

## Monday 30<sup>th</sup> September 2013

After the registration, the opening ceremony will begin at 9h00 with a speech from the President of ICASE, the conference convenors and other VIP's.

There will be the pre-eminent keynote presentation, followed after morning tea by another Keynote speaker and then concurrent sessions throughout the rest of the day. After the last concurrent session, delegates can take part in the Tastes of Malaysia Happy Hour Social Function, followed by the White Rajah Party commencing at around 20h30.

## Tuesday, 1<sup>st</sup> October 2013

The second and third keynote speakers will present, each followed by a panel session. Following the panel session, will be the facilitated group discussion, then concurrent sessions and ending the day with the Tastes of Malaysia Happy Hour. The Gala Conference Dinner will take place at 19h00 and will entail a night of delicious food, entertainment and dancing.



## Wednesday, 2<sup>nd</sup> October 2013

The fourth keynote speaker will open the day followed by a panel discussion. A facilitated group discussion will then be run, followed by field trips or con-current sessions. The Tastes of Malaysia Happy Hour will be followed by the Chisman Oration in the evening and finished off with the Chisman Reception.

## Thursday 3<sup>rd</sup> October 2013

The fifth and sixth keynote speakers will present, each followed with a panel session. The final discussion of the Kuching Declaration will take place, followed by the final con-current sessions. The ICASE2016 presentation will take place midafternoon, followed by the Kuching Declaration conclusions and the announcement, and finally the closing ceremony and the farewell afternoon tea.

### The White Rajah

Sarawak was ruled for exactly 100 years by the Brooke family, known as the 'White Rajahs'. Young, ambitious, ruthless and smart, Brooke arrived in Borneo as just another administrator. He immediately set about helping one of the Brunei princes to put an end to the uprising against the Sultan of Brunei. He organised ships of the fleet he could find to seek out pirates and destroy them, and found himself rewarded with the governorship of Kuching in 1841 before he was forty, and the title of Rajah of Sarawak. Before very long he had established himself as an independent ruler and governed as a compassionate (sometimes) autocrat and extended his rule over much of Sarawak. He organised and pushed through legal reforms, and also successfully warded off the Chinese in 1857.

## Confirmed speakers include:



**Professor Vandana Shiva, philosopher, environmental activist, and eco feminist.** Professor Shiva trained as a Physicist and completed her Ph.D. at the University of Western Ontario in Canada. She has fought for changes in the practice and standards of agriculture and food, and later shifted to interdisciplinary research in science, technology and environmental policy. Professor Shiva founded the Research Foundation for Science, Technology and Ecology (RFSTE), which led to the creation of Navdanya in 1991, a national movement to protect the diversity and integrity of living resources, and the promotion of organic farming and fair trade. She has authored more than 20 books and over 500 papers in leading scientific and technical journals. Professor Shiva received the 'Sydney Peace Prize' in 2010, Time Magazine has identified her as an "environmental hero" and Asia Week has called her one of the five most powerful communicators of Asia.



### **Professor John Hattie**

Professor John Hattie is one of New Zealand's most internationally acclaimed academics. Currently he is Director, Melbourne Education Research Institute, Associate Dean (Research), Graduate School of Education, University of Melbourne, Australia and an Honorary Professor at the University of Auckland, New Zealand. Professor Hattie's internationally acclaimed 2008 book *Visible Learning: A synthesis of over 800 Meta-Analyses Relating to Achievement* is believed to be the world's largest evidence-based study into what factors improve student learning. Involving more than 240 million students from around the world and bringing together 50,000 smaller studies, the study found positive teacher-student interaction is the most important factor in effective teaching. Professor Hattie has authored or co-authored 12 books and more than 500 papers and regularly advises governments in New Zealand, Australia and the US.



### **Professor Lyn Beazley AO FTSE, Chief Scientist of Western Australia**

After Professor Beazley undertook her doctorate at Edinburgh University, she moved to Perth and built up an internationally renowned research team that focused on recovery from brain damage. She is well recognised for her work in mapping the pathways through the brain and central nervous system to better understand how to cure neurotrauma. A Professor of Zoology at the University of Western Australia, Professor Beazley was awarded Officer of the Order of Australia in January 2009, is member of the new Technology and Industry Advisory Council (TIAC) and in March 2011 she was inducted into the inaugural Western Australian Women's Hall of Fame. A new species of sea sponge discovered in Perth's marine Canyon the Perth Canyon has been named after her. Professor Beazley also provides the Government with advice on topics that are important to the future direction of science and innovation in WA.



### **Dr Robin Groves**

Dr Robin Groves is the Director of Teaching and Learning in the School of Education at Curtin University, Australia and a Senior Lecturer in Teaching, Learning, Assessment and Science Education. His research interests include professional growth and sharing knowledge; effective teaching and learning; moral dispositions in teaching; and science education, including concept development. Dr Groves' publications include the book *Talking about teaching: Teachers' learning in a professional development context (2009)* based on a study where he worked for fifteen months alongside a group of 20 experienced secondary science teachers who were engaged in a professional development project to explore and share their understandings about teaching. Dr Groves was awarded an ICASE Distinguished Service Award in 2010 for Contributions to International Science Education. He is a Past President of the International Council of Associations for Science Education and an Honorary Life Member of the Australian Science Teachers Association.

## **Local Highlighted Speaker**

### **Gillian Lueckenhausen**

Currently the Head of the Education Quality Unit at Swinburne University of Technology Sarawak, Ms Lueckenhausen coordinates key aspects of the quality assurance of academic programs and manages the professional development of the academic staff on campus. She has a Master of Educational Studies from Monash University Australia, with experience teaching in primary, secondary and tertiary institutions. Ms Lueckenhausen has engaged in research into the relationship between academics' educational beliefs and their design and use of computer facilitated learning; the relationship between academics' understanding of their subject matter and their approaches to teaching; and how university teaching changes teachers. Ms Lueckenhausen is currently a team member of two University projects, which focus on implementing outcomes-based education in Engineering, and developing a set of Swinburne Engineering competencies. She is also a team member on an Australian Learning and Teaching Council (ALTC) Leadership project *Learning Without Borders*.



## **More Keynote and Highlighted Speakers to be confirmed soon...**

## Organising Committee

### Convenors

ELAINE HORNE, Chair ICASE Standing Committee,  
Conference Convenor

SCOTT CAMPBELL, GRAIN-ICID Conference Convenor

### Local Organising Committee

ABDILLAH ADAM, Director, Sarawak State Education  
Department

SAIREE MINAN, Education Officer – English Unit,  
Sarawak State Education Department

LAU SHIN CHAI, Education Officer – Science Unit,  
Sarawak State Education Department

CORNELIA SIRICORD, Director, Dept. of Chemistry,  
Ministry of Science, Technology &  
Information (MOSTI)

DR SHABDIN MD LONG, Dean , University Sarawak  
Malaysia (UNIMAS)

DR ROBIN GROVES, WorldSTE2013 Advisor, Curtin  
University Australia

DR ASHUTOSH KUMAR SINGH, Head of Electrical &  
Communications Engineering and Computing,  
Curtin University

RICHARD BH LIAW, Executive Officer, Sarawak  
Teachers Union

YONG ING THUNG, Sarawak Teachers Union

ANATOLI VAKHGUELT, Head of School of School of  
Engineering, Computing and Science,  
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GILLIAN ROSEMARY LUECKENHAUSEN, Head of  
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Technology

JOYCELYNN KHO, Chief Operating Officer, TCS College

LIAW MEI MEI, Head of Academic Support, TCS  
College

CELINE NGU, Head of Continuing Education, TCS  
College

Dr WILLIAM WONG TECK FOO – Chief Executive/  
Principal, INTI College Sarawak

STANLEY GONA CHEE KHIONG – Vice Principal  
(Administration), INTI College Sarawak

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### Conference Secretariat

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