Australia-Korea Foundation funded Symposium on Intercultural STEAM Education

STEAM: Arts integrated STEM teaching/learning

FREE EVENT / SATURDAY 29TH OCTOBER 2022 8:30AM-6:00PM / MACQUARIE UNIVERSITY, NORTH RYDE, NSW

Year 5-10 teachers and other educators are invited to a free symposium on STEAM learning and program development.

KEYNOTE SPEAKERS

Dr Chanjong Kim
Professor, Earth Science Education, Seoul National University, Korea

Dr David Treagust
Professor, Science and Mathematics Education Centre, Curtin University

Dr Hye-Eun Chu and Dr Sonya Martin
Senior Lecturer, School of Education, Macquarie University / Professor, Science Education, Seoul National University

GUEST SPEAKERS/WORKSHOPS

Dr Tae hoon Kim, Dr Yeon-A Son and Dr Ric Mornate
Chung Woon High School, Korea / Professor, Science Education, Dankook University, Korea / Hurstone Agricultural High School.

The OOPs team is a students' environmental club that cares for the Earth. This club collaborated with an Australian team to create and post a video about climate change. This workshop will present and lead discussion on how science teachers’ involvement might be minimized in the students’ decision making and organization of activities.

Mr Hyoeng Moon Lee, Ms Yi Seul Kim, Dr Hye-Eun Chu and Dr Jin Woong Song
Shinsung High School, Korea / Senior Lecturer, School of Education, Macquarie University / Professor, Science Education, Seoul National University, Korea.

This workshop will introduce participants to a unit of lessons in which students in two countries were set the task of designing a zero energy house for each other’s country. The goal of the lessons was to develop students’ understanding of heat transfer, energy efficiency, and the sun’s altitude with reference to the seasons, and at the same time, expose them to a culture different from their own.

Ms Anna Mang, Ms Katelyn Mills, Mr Kiano Pomenta and Dr Hye-Eun Chu
School of Education, Macquarie University.

This workshop will introduce teachers to SSI-STEAM (Socio-scientific issues-based STEAM) and systems thinking as a way of connecting science learning to students’ everyday lives and promoting intercultural interaction between students. Teachers will learn about the ‘Forest Around our School’ program and how SSI-STEAM and systems thinking processes were used to select learning materials and sequence lesson activities so as to encourage students to address real-world problems.

PROGRAM

Registration from 8:30am  Coffee & refreshments

8:00-9:15am Welcome

9:15-9:30am Symposium Overview

9:30-10:00am Keynote Speech 1 Dr Chanjong Kim

10:00-10:30am Keynote Speech 2 Dr David Treagust

11:00-11:30am Keynote Speech 3 Dr Hye-eun Chu, Dr Sonya Martin

1:00-1:15pm Interactive Workshops

These workshops will be facilitated by the Australia-Korea Foundation STEAM Research Team.

Workshop 1: OOPs team
Workshop 2: Zero energy house
Workshop 3: Intercultural Game
Workshop 4: SSI-STEAM and Systems thinking

1:30-1:45pm Lunch

5:30-6:00pm Panel Discussion

Dr Sonya Martin, A/Prof Michael Cavanagh, Prof Joanne Mulligan, Prof Garry Falloon (moderator), Dr Ric Morante

Closing at 6:00pm


More information and resources will be provided after registration closes (via email)

AUDIENCE

Y 5-10 teachers and researchers

WHEN

Saturday 29 October 2022 8:30am-6:00pm

COST

FREE

LOCATION

Room 123, 29 Wally’s Walk, Macquarie University

CATERING

Lunch and other light refreshments will be provided.

CONTACT

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