

PATT

International/PATT ATLANTA PROGRAMMING

THURSDAY, APRIL 12

8am PowerTech: Hands-on Making Contest and Student Club

PowerTech, a miniature making contest which has been held for 18 years in Taiwan, successfully help schools build their school-based STEM curriculum and students' clubs. (Jon-Chao Hong)

12-1:30 INTERNATIONAL/PATT LUNCHEON

1pm Taking Technology Teachers' Competency to Educational Communities

This presentation presents technology teachers' movement fighting with misconceptions toward technology education and creating sound technology culture. South Korean technology teachers' maker movement, invention education, and learning community will be demonstrated. (Hyuksoo Kwon)

2pm International Roundtable Discussion

This session will invite you to join in an international discussion on the future of Technology Education and STEM. Several international colleagues will briefly present developments in their countries. (Moderator: Marc de Vries)

3pm International Roundtable Discussion

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4pm STEM Teacher Professional Development in China

The presentation will analyze the status of China's ST E M teachers and how to build a STEM teacher training network in the country, grading training Stem teachers. (Su Wang)

FRIDAY, APRIL 13

8am STEM Education in the Netherlands

Two new school subjects in the Netherlands provide opportunities for teaching STEM: Nature, Life and Technology in senior high school and investigating and designing in the so-called Technasia. Experiences can provide clues for successful STEM Education. (Marc de Vries)

1pm STEAM Education Professional Development Practicum and Research

This report is on the methods, results, and implications of a study of the first years of STEAM PD training. A five-year progressive exploratory-based transformative triangulation mixed-methodology study has been done and this is an overarching review. (Georgette Yakman)

2pm Energy Resources, Sustainability and the Environment

Global sustainability is a topic of worldwide importance. Course content, assignments and experiences will be described including field experiences held outside the USA. (Len Litowitz)

4pm STEM Education in China

Review literatures on STEM researches in China, introduce China's STEM practice and discuss problems arisen and corresponding strategies. (Jie Wang)

5:30-6:30pm INTERNATIONAL/PATT RECEPTION