

## 2017 Transforming Undergraduate STEM Education in Japan

Held in Hokkaido University

The current students will encounter the society where the creativity is the most important factor for any jobs because the Artificial Intelligence and the Robots are expected to replace almost half of the present jobs. This is the reason why the transformation of education is highly required for the present higher education. Most countries put their highest priority to STEM (Science Technology Engineering Mathematics) education because most of the innovation relies on the improvements of STEM fields.

Up to now, many evident-based teaching practices have been invented but most of them are simply for the personal level. Now the educational reform at the organization level is one of the high educational research subjects and there are many successful cases.

In this meeting the talker mainly report on the education reform in the Universities in U. S. and Canada.

We wish the talks will be helpful for the education reform of the universities of the attendance.

Location:

Faculty of Science Building N-308

Hokkaido University

Date: February 13, 2017

9:30~16:00

Scheduled Talk titles

1. (9:30-10:30) Organizational reform of STEM education by AAU STEM Initiative and the attempts by University of Colorado by Boulder,  
Jun Saito, Obihiro University of Agriculture and Veterinary Medicine
2. (10:45-11:45) Report on AAC&U STEM Education Meeting 2016  
Wakeman Kevin and Zhou Bo, Hokkaido University
3. (13:00-14:00) Successful Challenge of QUEST University, Osamu Seto, Hokkaido University
4. (14:15-15:15) Innovation of Engineering Education: Olin College of Engineering, Keiichiro Yoshinaga, Kanazawa University

We do not have any source of support of your travel expense. Please inform us if you want to provide posters or talks.

The meeting will start in the morning. Therefore, we recommend our attendant to arrange hotels including February 12, the last day of the Snow Festival.

Organizer Hisao Suzuki (Hokkaido University), Keiichiro Yoshinaga (Kanazawa University),  
Osamu Seto (Hokkaido University),

Sponsor: Center for International Collaboration and STEM Education, Hokkaido University

Cooperation: Japan Association for College and University Education

