



STEM 2012 Workshop & Showcase

24-27 November, 2012. Beijing, China

**The Second International STEM in Education Conference
Science, Technology, Engineering and Mathematics
Education**

Workshop/Showcase length: 1 HOURS

AV equipment provided: PC, Projector, Audio

25th November 2012 Venue: Yingdong Academic Hall

Workshop 1-1 (11:00-12:00) Lecture Room2

Title: LEGO Workshop 1

Workshop 1-2 (11:00-12:00) Lecture Room3

Title: Science Fiction: Preparing the Way for Scientists of the Future

Presenters: Janice Bogstad, Mi Qi, Tian Song, Yan Wu , Mingcheng Du from the Eau Claire, Beijing and Taitung

Workshop 1-3 (11:00-12:00) Meeting Room

Title: Robotics Workshop (Beginner)

Presenters: Vinesh Chandra, Michelle Mukherjee from Australia

Workshop 2-1 (13:30-14:30) Lecture Room2

Title: KIDS' S.T.E.M. CONVENTION: INSPIRATION / INVESTIGATION
/ CELEBRATION

Presenters: Jane Backhaus from Australia

Workshop 2-2 (13:30-14:30) Lecture Room3

Title: 21st Century Framework for Science Teacher Preparation: Using modern technologies to affect science teaching and learning

Presenters: Marina Milner-Bolotin from Canada

Workshop 2-3 (13:30-14:30) Meeting Room

Title: Intermediate Robotics Workshop

Presenters: Shaun Nykvist, David Nutchey from Australia

Workshop 3-1 (15:00-16:00) Lecture Room2

Title: LEGO Workshop 2

Workshop 3-2 (15:00-16:00) Lecture Room3

Title: Integrated STEM Teacher Professional Development

Presenters: Louis S. Nadelson, Anne L. Seifert, Sandra G. Nadelson, Melinda Hamilton from the United States

Workshop 3-3 (15:00-16:00) Meeting Room

Title: Robotic workshop (Advanced)

Presenters: Mark Lockett, Andy Yeh, Rob Clegg from Australia

26th November 2012 Venue: Yingdong Academic Hall

Workshop 4-1 (10:30-11:30) Lecture Room2

Title: Measure Resistance by a usb sound card cost only 3 dollar

Presenters: Junjie Wu, Zhongmin Zhu, Jingzhao Yuan, Weiyi Ding from China

Workshop 4-2 (10:30-11:30) Lecture Room3

Title: The Computer graphics teaching practice and innovation

Presenters: Jiangeng Lin, Yang Xiang , Zhengtao Xuan from China

Showcase 1-1 (10:30-11:30) Meeting Room

Title: PHYSCLIPS: multimedia resources for learning and teaching physics

Presenters: George Hatsidimitris, Joe Wolfe from Australia

Showcase 1-2 (13:30-14:30) Lecture Room3

Title: How Digital Technologies in Australian Schools promote and develop 21st Century Skills across the STEM disciplines

Presenters: Mark Lockett from Australia

Showcase 1-3 (13:30-14:30) Meeting Room

Title: Teaching Calculus in a Flipping Way

Presenters: Fei Xue from the United States

27th November 2012 Venue: Yingdong Academic Hall

Workshop 5-1 (10:00-11:00) Lecture Hall

Title: BNU Instructional Innovations workshop

Presenters: Shengquan Yu, Su Cai, Guang Chen, Min Chen from China

Workshop 5-2 (10:00-11:00) Meeting Room

Title: LEGO Workshop 3