



# iSTEM-Ed 2016

The 1st International STEM Education Conference

6-8 July 2016

Pattaya, Thailand

<http://www.istem-ed.com>

## Call for papers

**iSTEM-Ed 2016** is the first **International STEM Education Conference** being held in Pattaya, Thailand, on July 6-8, 2016. **iSTEM-Ed** is an international conference annually arranged by the **Electrical Engineering Academic Association (Thailand), EEAAT**. **iSTEM-Ed** is a forum to provide an opportunity for academicians, researchers, scientists, engineers, and practitioners to share their experience, knowledge, and technique in **learning and teaching** in the areas of **Science, Technology, Engineering, and Mathematics (STEM)** education. All aspects of research and practice-oriented papers in STEM education and related areas are appreciatory welcome. The conference activities include traditional paper presentations (oral and poster), special sessions, and workshops on current and advance innovation in STEM education.

## Technical Scopes

**iSTEM-Ed 2016** will provide parallel sessions on the following topics relevant to the educational approaches in Science, Technology, Engineering, and Mathematics (STEM) but not preclude **other related topic areas**.

### Developed Teaching Models

- Bloom's Taxonomy
- CBL (Challenge based learning)
- DBL (Design based learning)
- IBL (Inquiry based learning)
- OBE (Outcome based education/learning)
- PBL (Problem based learning)
- Project based learning
- Puzzle based learning
- TBL (Team based learning)
- Work-Based and Work-Integrated Education

### Technology Based Teaching and Learning

- Digital Technology / ICT Applications
- Online/E-Learning and Distance Learning
- Computer-Based Learning and Courseware Technologies
- Educational Games and Simulations
- Learning Management Systems (LMS)
- Mobile Learning
- MOOC (Massive Open Online Course)
- Smart Classroom
- Social Media Techniques

### Skills Development

- 21<sup>st</sup> Century Skills
- Ethical and Social Justice Issues (e.g., Access, Equity)
- Generic Skills (e.g., Communications, Teamwork)
- Laboratory Experiences (On-Campus and Remote)
- Lifelong Learning/Education
- Research Training (Undergraduate and Graduate)
- Technology Transfer

### Education Management and System

- Accreditation and Quality Assurance (QA)
- Assessment and Evaluation
- CDIO-based Education (Conceive Design Implement Operate)
- Curriculum Design
- Development of academic staff/faculty and learning organization
- Educational Policy, Leadership and Administration
- Entrepreneurship Programs
- Examination Techniques
- High School Initiatives and Partnerships
- Industry Linkages and Partnerships
- Instructional Design
- Interdisciplinary Teaching Approaches
- Learning Analytics
- National Quality Frameworks (NQF)

## Online submission of papers

Prospective authors should submit original papers of not more than four (4) pages in standard two-column format using the on-line submission process on the **iSTEM-Ed 2016** website. At least one author of each accepted paper **MUST** register for the conference for the paper to be included in the program.

**To submit a paper please visit <http://www.iSTEM-Ed.com>**

## Important dates

- **Paper submission deadline :** **February 1, 2016**
- **Acceptance announcement :** **March 30, 2016**
- **Camera-ready submission deadline:** **April 25, 2016**
- **Pre-registration deadline :** **April 29, 2016**
- **Conference dates:** **July 6-8, 2016**

## Conference venue and city

Thailand, the essence of hospitality, is a beautiful country to visit. The conference will be held in the luxury hotel in Pattaya, the beautiful beach city in Thailand.

Organized by **EEAAT, The Electrical Engineering Academic Association (Thailand)**

