IAT TEC 2014

TUESDAY APRIL 1ST

FATIMA COLLEGE OF HEALTH SCIENCES, ABU DHABI, UAE

Science
Technology
Engineering
Mathematics

STEM Education
in the Digital Age

معهـد التـكنولوجيـا التطبيقيـة
INSTITUTE OF APPLIED TECHNOLOGY

ثانويـة التكنولوجيـا التطبيقيـة
Applied Technology High School

Call for Participation

Ever since its inception, the Institute of Applied Technology (IAT) has focused on producing graduates who are qualified for future science-related jobs and who are highly skilled in computer science. This vision stemmed from clear awareness of the importance of Science, Mathematics, Engineering and Technology to prepare a generation of youth who are able to compete in the global economy.
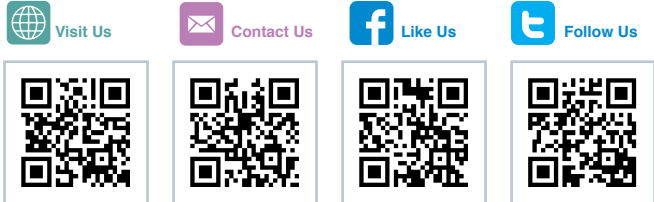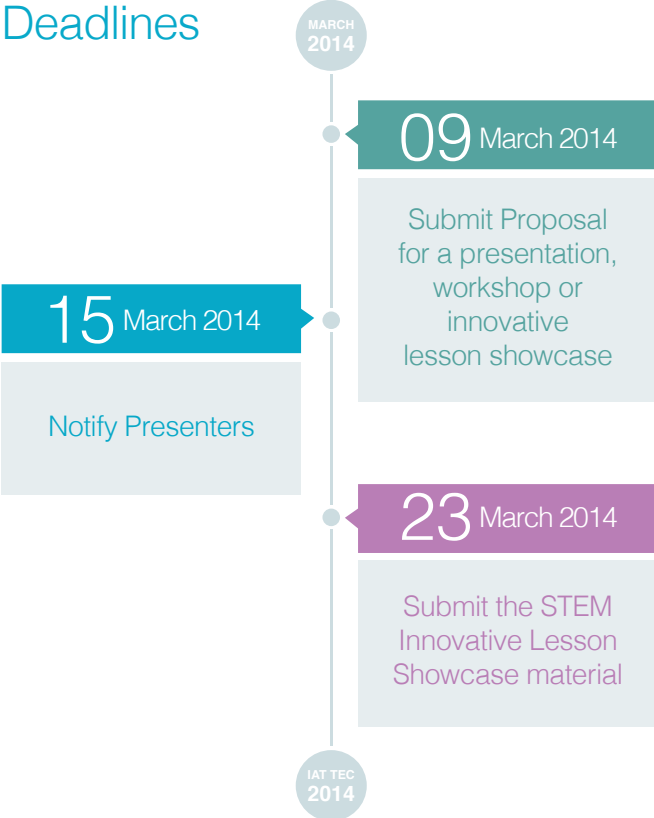
The STEM Education in the Digital Age Symposium aims at providing educators with a unique professional development experience to explore the principles of STEM, (an approach to teaching and learning that integrates the content and skills of science, technology, engineering, and mathematics), as well as technology integration.

Throughout the event educators will be involved in activities to discover and share best practices related to STEM education and educational technology. Participants will leave the Symposium better equipped to meet the learning requirements of the digital natives who are expected to apply rigorous science, technology, engineering, and mathematics by engaging in inquiry and logical reasoning, as well as gaining skills in computing and computational algorithmic thinking.

Moreover, ATHS students will run a special hands-on workshop on Gamification for Education where they will share their expertise in creating games for educational purposes.

IAT is pleased to invite you to share your ideas on STEM Education in the Digital Age, which will showcase and explore means and methods of STEM integration into a technology-enhanced learning environment.

Deadlines

MARCH 2014

09 March 2014
Submit Proposal for a presentation, workshop or innovative lesson showcase

15 March 2014
Notify Presenters

23 March 2014
Submit the STEM Innovative Lesson Showcase material

IAT TEC 2014

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Call for Proposals

IAT is pleased to call all creative minds to participate in the IAT TEC 2014. Unlike previous years, the event this year will be a one-day symposium on 1st April 2014. The theme will focus on sharing innovative and practical ideas related to STEM Education in the Digital Age.
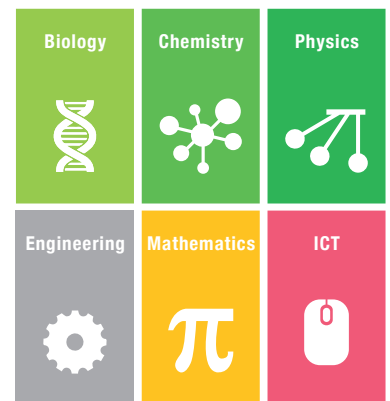
In addition to presentations and hands-on workshops, we would like to celebrate those innovative lessons you have been creating in Science, Mathematics, ICT and Applied Technology.

Proposals related to STEM education and educational technology are accepted under the following session types:

Presentation

Proposals are accepted, but not limited to the following topics:

- Motivating Students to Study Sciences
- Incorporating Technology into Literacy
- Learning Scientific Inquiry and Research Basics
- The Impact of Digital Books on Learning
- Integrating Technology to Develop Academic Language Proficiency
- Mathematical Problem-Solving Practices
- STEM & Self-Directed Learning
- Instructional Pedagogies for STEM (PBL, CBL…etc.)
- Mobile Learning in Blended Learning Environments
- Application of STEM in Technical education
- Computer Science & STEM

Biology | Chemistry | Physics
Engineering | Mathematics | ICT

iPresent Showcase (Innovative STEM Lesson Showcase)

We are looking for unique learning activities that you have created and implemented in your classroom. Think of this as a digital poster session where you will showcase your lesson material and samples of student work or reflections based on this lesson. Specialists in the subject area will review all Innovative Lessons from each of the following subjects:

- Biology
- Chemistry
- Physics
- Mathematics
- Electrical Engineering
- Mechanical Engineering
- ICT

Submission Link:

Submit your proposal online before **09** March 2014

http://tinyurl.com/IATTEC2014

Workshop

Hands-on professional development workshops are accepted, but not limited to the following themes:

- Creating or Using Virtual Science Labs
- Ideas for STEM-Related Graduation Projects
- Creating Learning Tools (ex. Java applets, iPad Apps)
- Integrating iPad into STEM Classes
- Integrating STEM Through Innovative Technologies
- Coding for Educators