

IAT Technological Education Conference

# IAT TEC 2011

*Educate to Innovate*

30-31 March 2011, Armed Forces Officers Club & Hotel, Abu Dhabi



The Institute of Applied Technology  
takes great pleasure in inviting you to attend the

## IAT Technological Education Conference

# IAT TEC 2011

*Educate to Innovate*

30-31 March 2011, Armed Forces Officers Club & Hotel, Abu Dhabi

Prior registration online is required as a limited number of seats is available.

For more information, please contact:

**Tel: 02 - 401 8283 | Email: [iat.tec@iat.ac.ae](mailto:iat.tec@iat.ac.ae) | [www.iat.ac.ae/iattec](http://www.iat.ac.ae/iattec)**

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# Committees

## Organizing Committee

Chair, General	Dr. Abdullatif Al Shamsi	Managing Director, IAT
Chair, Technical	Dr. Ra'a Said	Senior Manager, Sciences & Technology, IAT
Committee Member	Dr. Ahmad Alawar	Program Manager, Abu Dhabi Polytechnic
Committee Member	Mr. Mohamed Al Maskari	Knowledge Solution Manager, Knowledge Point
Committee Member	Mr. Bryan Lim	Project Manager, Human Capital, ATIC
Committee Member	Mr. Ken McCall	Director, Capacity Building & Training, ENEC
Committee Member	Mr. Ken Cadd	Principal, Abu Dhabi Campus, IAT
Committee Member	Mr. Paul Edmunds	Senior Manager, iREACH, IAT
Committee Member	Mr. Ishaq Baniyas	Vice Principal, Abu Dhabi Campus, IAT
Planning Coordinator	Mr. Mohamed Fayyaz	Event Coordinator, iREACH, IAT
Media Coordinator	Mr. Adil Arafa	Press Coordinator, iREACH, IAT
IT Coordinator	Mr. Yanal Khasawneh	IT Customer Support Coordinator, IAT
Secretary	Ms. Tamara Al Ashal	Senior Coordinator, Academic Services, IAT

## Technical Committee

### Paper Review

Dr. Ra'a Said  
 Ms. Senabil Al-Hussaini  
 Mr. Mohamad Saoud  
 Mr. Ahmad Al Rahl  
 Mr. Mohammed Oudat  
 Mr. Shadi Ayoub  
 Mr. Kareem Ragab  
 Ms. Kavitha Somaraj  
 Mr. Jonathan Davies

### Workshops

Mr. Shadi Ayoub  
 Mr. Wael Abou Hawash  
 Ms. Marion Smith  
 Mr. James Ohearn

### Campus Coordinators

Mr. Adnan Qashoua  
 Mr. Joseph Silvestri  
 Ms. Catharina Nel  
 Ms. Mausmi Khan  
 Mr. Walid Alqaisi

## Service Committee

Mr. Rana Khan	Mr. Samer Al Talleh	Mr. Ahmed AlKhanbashi
Mr. Jawdat Kadoura	Mr. Sabry Rihan	Ms. Violetta Dziuk
Mr. Hisham Hammash	Mr. Ahsan Riaz	Mr. Muhammed Kunhi



## IAT Technological Education Conference

The world today is not just living through an "age of change", but rather is experiencing a "change of age". There are many pressing challenges that mankind has to resolve in order to sustain humanity's survival and welfare including: shortage of water supplies, finding alternative resources of energy, as well as maintaining a balanced ecology and sustainable cities.

Education is one of the most important (if not the most important) fields to conquer these societal demands. The greatest responsibility of educational systems is to prepare a qualified workforce, that is capable of rising to the "major demands of the future", rather than revert back to the level of their training. The ultimate key to achieving that goal is through embracing innovation.

The Institute of Applied Technology (IAT), as one of the leading Career Technical Education (CTE) stakeholders in the UAE, is organizing the IAT Technological Education Conference. The focus of the conference is "Educate to Innovate" and it aims at bringing together educational stakeholders to discuss the best practices of innovation uses in education.

# Program at a Glance

## DAY 1

## Wednesday, March 30, 2011

09:30 - 10:00	Opening Ceremony
10:00 - 10:45	Keynote Lecture <b>Innovative Skills for this Century</b> <b>Dr. Jamie McKenzie, Education Consultant Editor &amp; Publisher,</b> From Now On Journal, USA
10:45 - 11:00	Break
11:00 - 12:00	Discussion Panel

### TECHNICAL SESSIONS

12:00 - 12:30	<b>Lead Presentation A</b>	<b>Lead Presentation B</b>	<b>Lead Presentation C</b>
12:30 - 13:30	Paper Presentations A	Paper Presentations B	Paper Presentations C
13:30 - 14:30	Lunch Break		

### WORKSHOP

14:30 - 17:00	<b>Workshop A</b> Apple	<b>Workshop B</b> Adobe	<b>Workshop C</b> AdvancED
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## DAY 2

## Thursday, March 31, 2011

10:00 - 10:45	Keynote Lecture <b>Benefiting from Learning Science &amp; Scale in Education</b> <b>Dr. Bror Saxberg, Chief Learning Officer</b> Kaplan
10:45 - 11:00	Break
11:00 - 12:00	Discussion Panel

### TECHNICAL SESSIONS

12:00 - 12:30	<b>Lead Presentation A</b>	<b>Lead Presentation B</b>	<b>Lead Presentation C</b>
12:30 - 13:30	Paper Presentations A	Paper Presentations B	Paper Presentations C
13:30 - 14:30	Lunch Break		

### WORKSHOPS

14:30 - 17:00	<b>Workshop A</b> Apple	<b>Workshop B</b> From Now On	<b>Workshop C</b> AdvancED
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# Keynote & Discussion Panels

## DAY 1

**Wednesday, March 30, 2011**

09:30 - 10:00

Opening Ceremony

10:00 - 10:45

Keynote Lecture

**Innovative Skills for this Century**

**Dr. Jamie McKenzie, Education Consultant Editor & Publisher**

From Now On Journal, USA

10:45 - 11:00

Break

11:00 - 12:00

Discussion Panel

**Dr. Abdullatif Al Shamsi**

Managing Director | Institute of Applied Technology

**Dr. Jamie McKenzie**

Education Consultant Editor & Publisher | From Now On Journal

**Dr. Edward Krenson**

Vice President for Non Public Schools Services | AdvancED

**Mr. David Harrison**

Group Director, Europe Middle East & North Africa | Cambridge University Press

**Mr. Luigi Pessina**

World Ahead Regional Manager, Europe Middle East & Africa | Intel Corp

**Mr. Geoff Akiki**

Vice President & General Manger | Global Foundaries

**Mr. Sami Issa**

Executive Director | Advanced Technology Investment Company

## Keynote Lecture



**Innovative Skills for this Century**

Dr. Jamie McKenzie | Education Consultant, Editor & Publisher | From Now On Journal

Many groups have put forth documents outlining skills they see as especially important during this century characterized by new technologies and many pressing social and ecological challenges. This session will provide an overview of key documents such as the New Zealand Curriculum and curriculum statements from Australia, Canada and the United States to highlight the most promising and the most difficult of these new century skills. Dr. McKenzie also points out important skills and attitudes missed by these documents. Finally, he calls to consider the professional development required to help all teachers address such goals successfully.

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10:45 - 11:00	Break
11:00 - 12:00	Discussion Panel <b>Dr. Bror Saxberg</b> Chief Learning Officer   Kaplan <b>Dr. Steve Molyneux</b> Director of Learning Lab   University of Wolverhampton <b>Ms. Allyson Peerman</b> President   AMD Foundation <b>Prof. Lisa Dieker</b> Director of Mathematics & Science Academy   University of Central Florida

## Keynote Lecture



### Benefiting from Learning Science & Scale in Education

Dr. Bror Saxberg | Chief Learning Officer | Kaplan

While technology has added most visibly new opportunities for innovation to education, there's also plenty of learning science that has yet to be applied. Understanding more about what limits and opportunities for learning are revealed

by recent research on learning and media can give all of us better guidance on how to handle the flood of technologies demanding attention – and working at scale can give us confidence that new approaches really are adding value to students' experiences.

# Technical Sessions & Workshops

**DAY 1**

**Wednesday, March 30, 2011**

## **TECHNICAL SESSION A**

Session Chair | Mr. Kenneth Cadd

12:00 - 12:30

**Innovations in Virtual Teacher Preparation  
for the Next Generation of Learners**

**Prof. Lisa Dieker**

University of Central Florida

12:30 - 12:50

**Educate to Innovate –  
Example of Building Automation**

**Dr. Winfried Heusinger**

Al Jaheli Institute of Science & Technology

12:50 - 13:10

**Compatibility of Teaching Styles vs.  
Learning Styles: A Case Study**

**Dr. Saud Aldajah**

United Arab Emirates University

13:10 - 13:30

**Classroom Teaching and Learning Policy**

**Mr. Hisham Hanfy**

Institute of Applied Technology

13:30 - 14:30

Lunch Break

14:30 - 17:00

## **Workshop A**



### **iLife**

How to organize, edit, and publish photos, movies, and music by iLife software applications: iPhoto, iMovie, iDVD, GarageBand, and iWeb.

**Attendees ought to bring their laptops with pre-installed software.**



## TECHNICAL SESSION B

Session Chair | Mr. Warren Baugher

Personalized eLearning: Using Technology to Reach Each Student's Learning Potential

**Mr. Luigi Pessina**  
Intel World Ahead

The Use of Java Applets as a New Pedagogical Tool in the Teaching Undergraduate Physics

**Dr. Ramalingam Periasamy**  
American University of Nigeria

The Effects of Assessment

**Dr. Shihab Jimaa | Dr. Robert Milne**  
Khalifa University of Science, Technology and Research

Utilizing Office Suites Macros to Facilitate Better Education Delivery

**Mr. Mohanned AlBiss**  
Al Reef Institute of Logistics & Applied Technology

Lunch Break

## Workshop B



### Effective Production and on Campus Presentation

How to use the various applications and tools to produce projects on campus and present them effectively.

## TECHNICAL SESSION C

Session Chair | Mr. Ahmed Al Rahl

Improving Learning Outcomes for Your Students through a Blended Print and Online Program

**Mr. David Harrison**  
Cambridge University Press

The Role of Training in Building a Strong Volunteer Culture

**Ms Amanda Everton**  
Volunteering Australia

University Introductory Physics Online Using Blackboard

**Dr. Qamhieh | Dr. Benkraouda | Dr. Amrane**  
United Arab Emirates University

Technology Camp

**Mr. Imad Knio**  
Tube Tech Solar

## Workshop C



### Serving in Quality Assurance Review (QAR) teams

This workshop is designed to prepare educators who are interested to serve in QARs and quality assurance activities

# Technical Sessions & Workshops

**DAY 2**

**Thursday, March 31, 2011**

## **TECHNICAL SESSION A**

Session Chair | Mr. Richard Summerfield

12:00 - 12:30

**Collaborative Creativity**

**Dr. Steve Molyneux**

University of Wolverhampton,  
Apple Distinguished Educator

12:30 - 12:50

**Assessing the Efficiency of the Use of Laptops on  
the UAEU Students' Various Activities**

**Dr. Emad Elnajjar | Dr. Falah Awwad**

**Dr. Fathi Allan**

United Arab Emirates University

12:50 - 13:10

**Statistical Methods to Analyze Students'  
Exam Marks**

**Mr. Osama A. Aziz | IAT**

**Ms. Lina M. Najib | Al Buraimi College**

13:10 - 13:30

**Innovation Opportunities Improving the  
Educational System of UAE**

**Mr. Mohamed Fathi**

Institute of Applied Technology

13:30 - 14:30

Lunch Break

14:30 - 17:00

## **Workshop A**



### **Final Cut Pro**

How to use Final Cut Pro, the professional video editing software from Apple.

***Attendees ought to bring their laptops with pre-installed software.***

## TECHNICAL SESSION B

Session Chair | Dr. Lourens Cronje

Managing The Laptop Classroom  
To Get Results

**Dr Jamie McKenzie**

From Now on

Leading Innovative Change in Your  
Organization

**Ms. Gallie Kawanzaruwa**

Ministry of Education

Language Arts Societies

**Mr. David Dillin**

Vocational Education & Development  
Centre

The EFL Curriculum as Change Agent

**Dr. Colyn Davey**

Alfaisal University

Lunch Break

## Workshop B



From Now On

**Power Learning: The Student As Thinker,  
Researcher And Inventor**

This workshop outlines strategies to integrate the use of new technologies across the disciplines stressing higher level thinking and problem-solving.

## TECHNICAL SESSION C

Session Chair | Dr. Donald Grant

Changing the Game

**Ms. Allyson Peerman,**

AMD Foundation

Empowering the Workforce of the Future  
through Psychometric Profiling

**Dr. Arlene McGurk**

MindMill, Ireland

Innovative Approaches to Developing  
Policy Choices in Education Management

**Dr. Nazar Younis**

Al Reef Institute of Logistics & Applied Technology

Engineer's View of Lectures:

PowerPoint versus Chalk and Talk

**Dr. Mohammad O. Hamdan** | UAEU

**Ms Adellean Altaher** | Liwa Int'l School

## Workshop C



**AdvancED new standards ASSIST platform**

This workshop will introduce the new set of AdvancED/SACS accreditation standards. In addition, it will help orienting the audience on the ASSIST Self Assessment (ASSIST SA).

# Registration & Venue

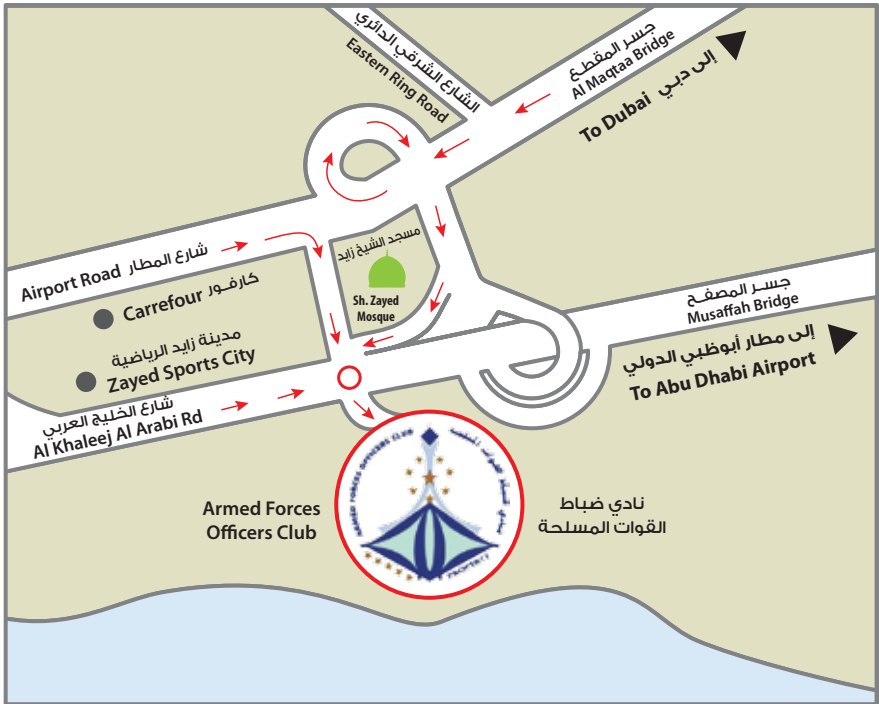
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## Venue & Location Map

Armed Forces Officers Club & Hotel, Abu Dhabi, Tel. +971 2 441 5900



# Session Locations

## DAY 1

### Wednesday, March 30, 2011

<b>Opening Ceremony</b>	Al-Jaheli Theatre	1st Floor
<b>Keynote</b>	Al-Jaheli Theatre	1st Floor
<b>Discussion Panel</b>	Al-Jaheli Theatre	1st Floor
<b>Technical Session A</b>	Maziad Hall	3rd Floor
<b>Technical Session B</b>	Al-Fehaidi Hall	3rd Floor
<b>Technical Session C</b>	Murajjib Hall	3rd Floor
<b>Workshop A</b>	Maziad Hall	3rd Floor
<b>Workshop B</b>	Al-Fehaidi Hall	3rd Floor
<b>Workshop C</b>	Murajjib Hall	3rd Floor

## DAY 2

### Thursday, March 31, 2011

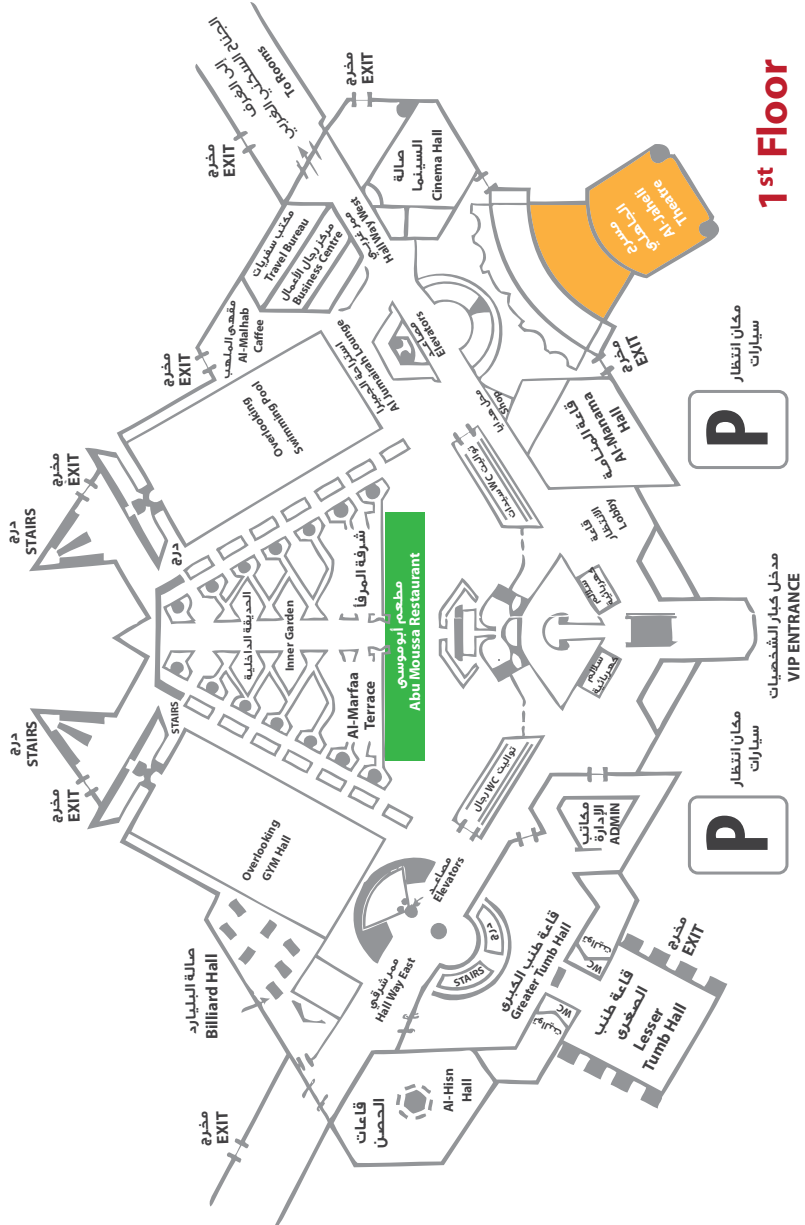
<b>Keynote</b>	Al-Jaheli Theatre	1st Floor
<b>Discussion Panel</b>	Al-Jaheli Theatre	1st Floor
<b>Technical Session A</b>	Maziad Hall	3rd Floor
<b>Technical Session B</b>	Al-Fehaidi Hall	3rd Floor
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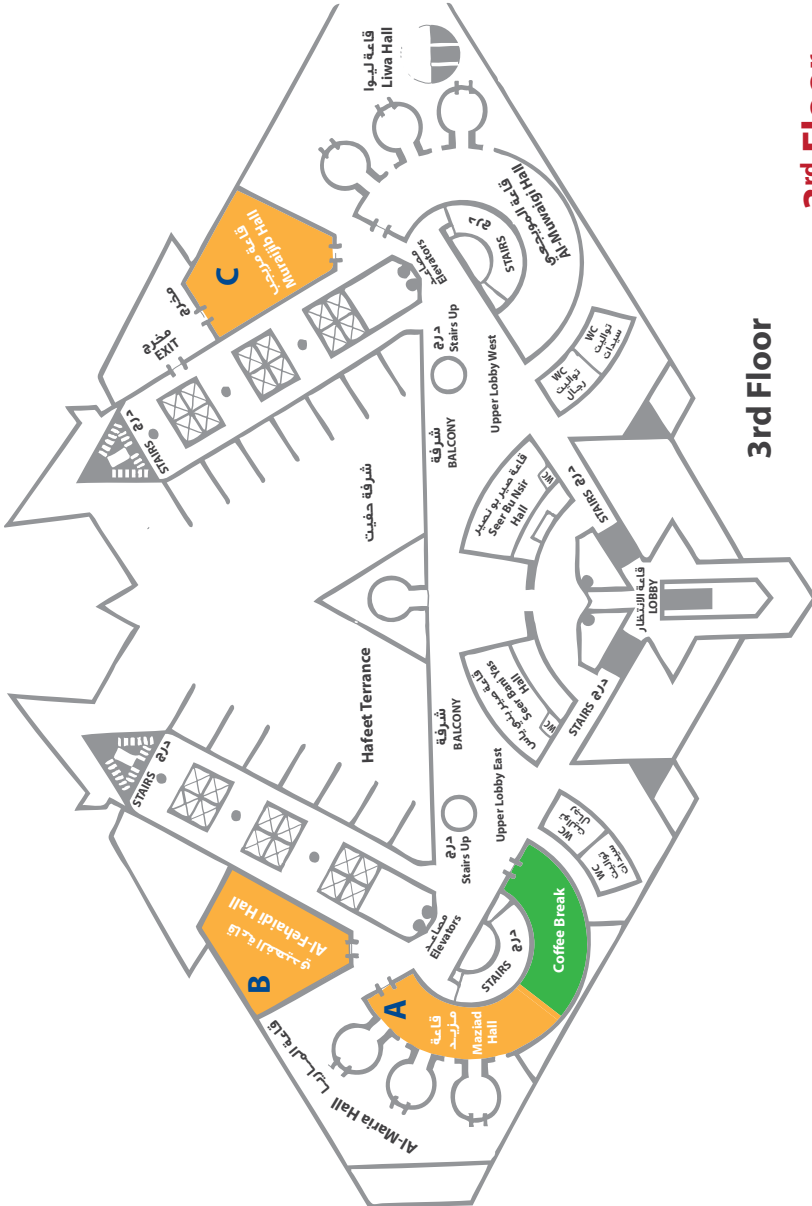
Morning coffee break and lunch will be served in Abu Mousa Restaurant, 1<sup>st</sup> floor.

Afternoon coffee break and lunch will be served in Mazaid Hall, 3<sup>rd</sup> floor.

Please see the location maps on Page 14 & 15.

# Floor Maps





**3rd Floor**



**INSTITUTE OF APPLIED TECHNOLOGY**  
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