

# Tutorials

Innovations'07 organizers have the pleasure to invite you to attend a series of tutorials presented by eminent experts from around the world. The tutorials will focus on emerging concepts and technologies that have the potential to re-shape the future of IT.

# Innovations'07

4th International Conference on  
Innovations in Information Technology

Dubai, November 18-20, 2007

## Basics of Portal Technologies Using Open Source & Commercial Products

**Dr. Khalid Khawaja**

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Web applications development has evolved from the development of web pages to the development of portals. This workshop takes the attendant through the evolution to portal development using the J2EE technology (although reference to equivalent .NET technology will be made).

## Software Engineering of Video Games

**Dr. Boumediene Belkhouche**

Professor, Associate Dean for Academic affairs  
College of Information Technology, UAE University  
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The objective of this tutorial is to introduce game design from a software engineering perspective. Major topics to be covered include game concepts and principles, game architectures, techniques to design game engines, motion planning, and intelligent behavior modeling. The nature of games and game genres are surveyed and categorized. Analysis of these games is used to identify the attributes of a good game. A game life cycle is introduced to illustrate the development of video games.

## Developing Wireless Products in the Industrial, Scientific & Medical (ISM) Band The Next Big Thing: The case of Zigbee Standard

**Iboun Taimiya Sylla**

Business Development Manager  
Low Power Wireless group at Texas Instruments Inc, USA  
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Products developed in the ISM band, especially ZigBee has been quietly gathering momentum, enabling a variety of applications from controlling residential and industrial power usage to alerting a homeowner remotely if a window or door opens, a washing machine leaks or a coffee pot is left on. What are they, where will they be used, and why do we need another wireless standard? If ZigBee can deliver on its promises, consumers and technologists alike are likely to encounter ZigBee in more products and more places than the other wireless technologies. This tutorial will be explaining the interest and the challenges of developing Zigbee products as well as other ISM band products. Practical example from our daily life will be introduced.

## RFID Technology: A Methodology of Evaluating its Impact Through Modeling & Simulation

**Samuel Fosso Wamba**

CompTIA RFID+ Certified Professional  
Polytechnic School of Montreal, Canada  
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The main objective of the tutorial is to present an academic methodology that uses modelling and simulation to evaluate the impact of RFID technology on organizations. A primer on the technology will also be presented as if to widespread use is rather recent. Moreover, we are going to discuss some challenges and problems which can arise during a RFID technology implementation.

Target Audiences: IT Professionals, Managers & Students

Registration: Form and more details about the tutorials are available at: <http://www.it-innovations.ae/iit07/tutorials.htm>  
The deadline for receiving registration forms is 16<sup>th</sup> November 2007.

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For more information about Innovations'07: <http://www.it-innovations.ae>