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**Highlights**

**First IoT Egypt Forum Steering Committee meeting**



SECC organized the first meeting for the Internet of Things (IoT) Egypt Forum steering committee on January 27th 2015 at ITIDA premises, to discuss the ways to develop the Roadmap for IoT development and deployment as well as to facilitate collaboration between all relevant stakeholders to build a groundwork for future development and sustainability for IoT in Egypt. [Read More](#)

**Launching SPI for SMEs- 2015**

Over the past nine years, SECC has introduced its SPI for SMEs program aiming at helping Egyptian IT companies to achieve maturity and business success through improving software development and service delivery processes at low cost, with minimal risk and highest flexibility. The program is supported by the SPIG which is an adaptable model of excellence in software development based on the Capability Maturity Model Integration (CMMI). [Read More](#)

**"The Completion Ceremony of Activate ICT Product Development by Micro and Small Enterprises (MSE) Project 2014" - 20 January 2015 at Convention Center, Smart Village**

Under the auspices and presence of the H. E. Eng. Atef Helmy, Minister of Communications and Information Technology, SECC of ITIDA held the completion ceremony of the third round of Activate ICT Product Development by Micro and Small Enterprises (MSE) Project for year 2014 on 20 Jan. 2015 at Smart Village Convention Center. [Read More](#)



**"H2020 Information Day" - 25 December, 2014 at ITIDA Premises B121, Smart Village**



SECC organized on December 25, the Horizon 2020 Information Day was to discuss the funding opportunities for the Egyptian ICT community including enterprises, universities and research institutes. [Read More](#)

**SECC Appraises ITWorx of UAE to Achieve CMMI-DEV ML3**

SECC's Lead Appraiser, Ms. Marian Tadros, successfully appraised ITWorx EDU of the United Arab Emirates to achieve CMMI for Development - Maturity Level 3.

Ms. Marian has 17+ years experience in software industry. She has 10 years experience in software quality management, 5 years in leadership position and 4 years in software quality consulting. Marian has the authorization to lead SCAMPI A, B & C appraisals for any organization. [Read More](#)

**Twenty Professionals become COBIT5 Foundation Level Certified**

20 professionals from SECC, industry and academia successfully passed the certification exam on 6 Nov. 2014 to become COBIT 5 Foundation Level Certified. The professionals attended a 3-day training at SECC premises delivered by the Singaporean company that won the tender issued by SECC last April. [Read More](#)



**SECC plans to sponsor the promotion and sustenance of TOGAF 9.1 in Egypt**



SECC solicits offers to build its capacity for adopting the TOGAF 9.1 framework. This solicitation targets training and certifying some SECC staff, as well as members of the IT industry in Egypt at large in the aforementioned technology. [Read More](#)

**1,000 CTFL Software Testers Certified by ESTB**

SECC as the legal entity of the ESTB and sole Examination Institute/Certification Body for the ISTQB® certificates in Egypt, is pleased to announce that it has certified **1,000 software testers** in **ISTQB® CTFL**. This marks an important milestone in the industry-wide since the certification launching in June 2009. At this important occasion, SECC is pleased with the results to date, and will continue to strive to improve the profession of software testing in Egypt. [Read More](#)



**Upcoming Calendar**



Check our Upcoming Training & Exams!  
[http://www.secc.org.eg/Training\\_Courses\\_Schedule.asp](http://www.secc.org.eg/Training_Courses_Schedule.asp)

**Job Vacancies**

- [Quality Expert](#)
- [Senior Quality Consultant](#)

For more details, please contact: [oaifi@itida.gov.eg](mailto:oaifi@itida.gov.eg)



**Industry News**

**Local**

**January 2015:**

- Announcement of Internet Safety Contest Winners
- Oracle Internet Safety Applications Competition Winners Announced

**December 2014:**

- Egypt Ranked Ninth at Global Cybersecurity Index
- MoU between ICANN, ITI, NTRA
- Egypt Chairs 18th Round of Arab Telecommunications Council of Ministers

**November 2014:**

- First Big Data, Cloud, and Mobile Hackathon Holds in Egypt
- Cairo Innovates Exhibit Launches

**International**

**January 2015:**

- ITU Council Working Group Meetings to Hold in January
- World Radio Day 2015

**December 2014:**

- ITU Telecom World 2014 Eyes Key Technology Developments
- Africa Child Online Protection Conference in Kampala, Uganda
- Second Regional Forum for Digital Arabic Content

**November 2014:**

- AfICTA Summit 2014 Holds
- Third Arab Internet Governance Forum (IGF)

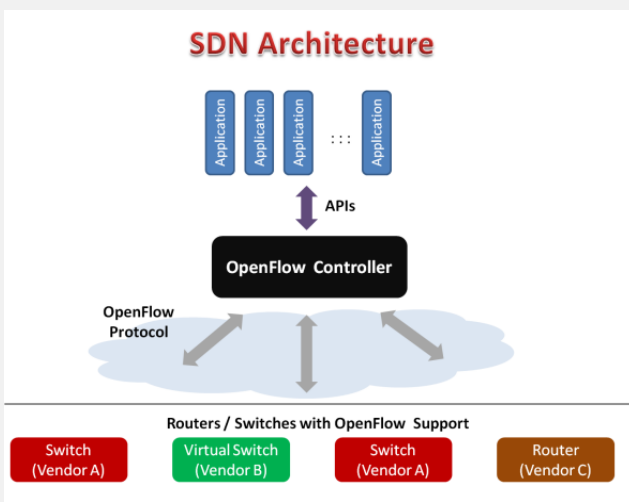
**Technologies**

**Definitions**

**Service Oriented Architecture (SOA)** is defined as an architecture for developing, deploying and managing semantically enriched, loosely coupled, platform independent, work units composed as 'Services' among Providers and Consumers to support business functions. SOA is considered the fourth wave of distributed computing approach, which began with the centralized computing paradigm in the 1960s and 1970s, then moved through the PC and client-server era to the rise of the Internet and the web. The openness created by the web increases the need for integration and enables the foundation of SOA that allows the creation of Service-centric systems. Such systems integrate services from different providers regardless of the underlying operating systems or programming languages of those applications.



**Trends**



**SDN Application** is a software program designed to perform a task in a software-defined networking (SDN) environment. SDN applications can replace and expand upon functions that are implemented through firmware in hardware devices in a conventional networking environment. SDN architectures can take a variety of forms. Following is an example of an architecture based on SDN controllers. The first tier in the SDN architecture is the physical infrastructure, which includes all the hardware devices and cabling required to support the network. Network control is decoupled from hardware and given to a software application, in this case an SDN controller. Controllers, which initiate and terminate traffic, make up the second tier of the architecture. The third tier is the SDN applications, which direct specific functions through the controller. Types of SDN apps include programs for network virtualization, network monitoring, intrusion detection (IDS) and flow balancing (the SDN equivalent of load balancing), among a great number of other possibilities. (Source: TechTarget)

**Context-Rich Systems** are systems that pull in a number of diverse signals about the user and their context -- from their location, to the weather, device they are on, speed they are traveling. And like personalized websites, context-rich systems can adjust content, display, and input methods based on the user's current situation. They will allow better feedback for the user and they allow the user to perform more through the website by linking together disparate services seamlessly. (Source: BlueSpark)



**Risk-Based Security and Self-Protection** It is certain that with all this advancements comes the issue of security and protection. It is certain that security measures will go from perimeter defense to multi-faceted approaches. Expect security measures built directly into applications making each app self-aware and self-protecting against threats and viruses. Security-aware application design, dynamic and static application security testing, and runtime application self-protection combined with active context-aware and adaptive access controls are all needed in today's dangerous digital world. This will lead to new models of building security directly into applications. Perimeters and firewalls are no longer enough; every app needs to be self-aware and self-protecting. (Source: accede)

**Knowledge Transfer**

**Experts Speak-Out**

**Technology Roadmapping, towards a wiser approach in identifying technology investments.** Have you ever asked yourself which technology areas should you invest in for your company? Did you ever make an investment to learn something that you found resulting in zero added-value to what your customers want? Were you ever trapped in the hassle of making the right decision towards your technology investments? If yes then you might need to consider integrating the Technology Roadmapping procedure as a part of your organization's process structure. [Read More](#)



**Facts & Figures**

- ICT contribution in **overall GDP** in **2014/2015** expected to be **4.1%**.
- The ICT sector GDP in Egypt is worth **EGP 65.9 billion (\$9.2bn)**, with a current **growth rate of 13%**.
- Job creation is expected to be between **250,000 and 750,000 jobs** by **2020/2021**.

**Webinars**



[Click here to view the videos](#)

**Videos**



[Click here to watch SECC on YouTube!](#)

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