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Highlights

AMECSE 2014



Under the auspices of his Excellency Eng. Atef Helmy, the Minister of Communications and Information Technology, The Software Engineering Competence Center (SECC) of the Information Technology Industry Development Agency (ITIDA) launched the first edition of Africa and Middle East Conference on Software Engineering (AMECSE 2014) in Egypt at the Smart Village Convention Center on October 21-22. [Read More](#)

SECC Embarks on COBIT 5- Framework for IT Governance

SECC solicited offers to build its capacity for adopting the COBIT 5 framework. This solicitation targets training and certifying some SECC staff as well as professionals of the IT industry in Egypt at large. A Singaporean country was awarded the tender and it is currently being contracted by SECC. [Read More](#)

SECC R&D Department Becomes National Contact Point (NCP) for EU-ICT Funded Projects

The main target of SECC R&D department as Egypt's NCP is to ensure that the new program of Horizon 2020 becomes known and readily accessible to all potential applicants, irrespective of sector or discipline. [Read More](#)



"FOSS Strategy Road mapping Event" - 26 June, 2014

As a part of the implementation plan of "FOSS Strategy Road mapping", SECC organized on June 26 the first event of a series of events with the aim to engage the industry, government, customer and society in the planning and execution of the strategy. [Read More](#)

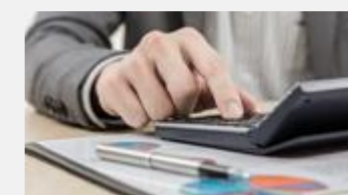


"Real Estate Smart Link" team wins the First Semantic-Web Hackathon

The "Real Estate Smart Link" team successfully passed all stages of the Hackathon: Use Case Ideas and Use Case Implementation stages and won the Hackathon. [Read More](#)

Call for Experts from ICT Industry and Academia

SECC is calling for experts from ICT industry and academia in different Software Engineering and IT Business/Management domains. By filling this application form, your profile will be reviewed and you will be contacted by SECC, upon need, to participate in various activities as appropriate to your profile. [Apply Here!](#)



First-Time Offerings

Disciplined Agility Service:

Disciplined agile delivery is an evolutionary (iterative and incremental) approach which regularly produces high quality solutions in a cost effective and timely manner via a risk and value driven life cycle. [Read More](#)

Design Patterns with Examples in C++

The goal is not to just study these generic patterns, but to learn why they are useful and how to recognize and apply them in real-life project. The course is heavily practitioner oriented with examples in C++. [Read More](#)

The 1st Exam of the ISTQB® Certified Tester Foundation Level-Agile Tester in Egypt (CTFL-FA)

For the first time in Egypt SECC is launching the first ISTQB® Certified Tester Foundation Level-Agile Tester CTFL-AT exam, the exam will be held on 26 November 2014. [Read More](#)

Upcoming Calendar

Job Vacancies



Check our Upcoming Training & Exams!
http://www.secc.gov.eg/Training_Calendar.asp

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

For more details, please contact: oaifi@itida.gov.eg



Industry News

Local

October 2014:

- ITIDA Launches 'Africa Together' Program
- Egypt Partakes in GITEX 2014

September 2014:

- Egypt Participates at IGF 2014
- MCIT Sign Cooperation Protocol to Boost Youth Initiative

August 2014:

- Egypt partakes in ITU Experts Meeting
- ITIDA and IDC Sign Cooperation Agreements

July 2014:

- Joint Agreement to Provide Cloud Computing Services to Private, Public Sectors
- Joint Protocol to Activate 'Training For Employment' Initiative

International

October 2014:

- OECD Global Forum 2014 Holds in Japan
- ITU Plenipotentiary Conference 2014 Holds

September 2014:

- A.T. Kearney's Global Services Location Index (GSLI) 2014: Egypt Still Leads the Outsourcing Industry in MENA Region

August 2014:

- Imagine Cup 2014 Winners Announced
- NETmundial Initiative Meeting to Hold in Geneva

July 2014:

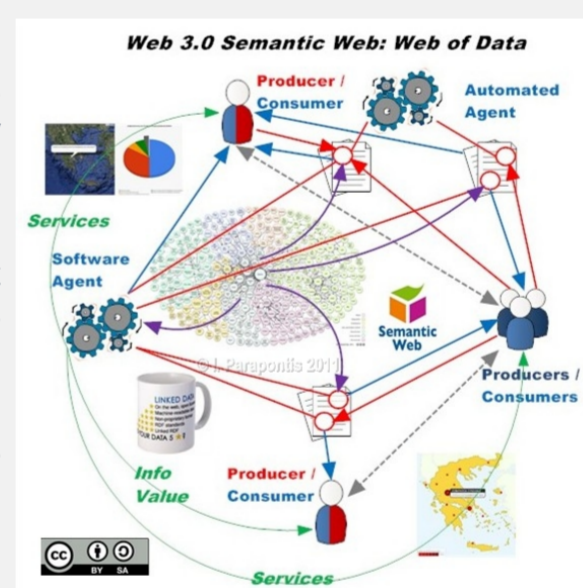
- Taiwan hosts The 26th International Olympiad in Informatics (IOI) 2014.
- ITU's Young Innovators Competition 2014 has launched the second of its 2014 series of challenges

Technologies

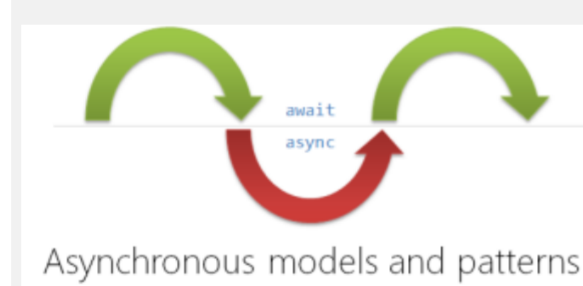
Definitions

Semantic web, known as the third generation of the web, is an extension of the traditional web that aims at converting the current web dominated by unstructured and semi-structured documents into a web of data. It has been originally proposed by Tim Berners-Lee with the vision of information that can be interpreted by machines, so that machines can perform most of the tedious work involved in finding, combining and acting upon information on the web not only for display purposes, but also for automation, integration, and reuse of data across various applications [W3C].

Adding semantic web support to websites helps to maximize the utilization and value of the website content by discovering the deep relations among data. This will serve in enhancing user experience by semantically enriching the website contents and increasing its relevance. Search results will be improved as well by enabling semantic-based search instead of the traditional keyword-based search.



Trends



Asynchronous Models help solve a lot of delay issues and reduce load times on web pages. In short, this model basically instructs systems not to do everything at once. Whenever there are I/O operations that take time (slow SQL operations, writing to disk, or even waiting on web services to return information) they tie up threads on the server. Instead of tying up threads when processing I/O intensive requests, the server sets up a callback to be processed when all the tasks pending are completed.

Web-Scale IT is a pattern of global-class computing that delivers the capabilities of large cloud service providers within an enterprise IT setting by rethinking positions across several dimensions. Large cloud services providers such as Amazon, Google, Facebook, etc., are re-inventing the way IT in which IT services can be delivered. Their capabilities go beyond scale in terms of sheer size to also include scale as it pertains to speed and agility.



Cloud/Client Architecture Cloud/client computing models are shifting. The increasing capabilities in many mobile devices, increased demand and cost of networks and the need to manage bandwidth use creates incentives, in some cases, to minimize the cloud application computing and storage footprint. This also exploits the intelligence and storage of the client device. However, the increasingly complex demands of mobile users will drive apps to demand increasing amounts of server-side computing and storage capacity.

Knowledge Transfer

Experts Speak-Out

In ICT industry, a lot of service providers who are looking for improved performance face this dilemma. CMMI for services provides market credibility while ITIL is widely accepted and adopted.

Both of them handle service management and differences are not clear. [Read More](#)



Facts & Figures

- Egypt's exports of IT are expected to reach approximately **12.5 billion EGP (\$ 1.75 billion)** by end FY2014/15.
- During FY2013/2014 the size of Egyptian IT exports had totaled around **11 billion EGP**.
- MCIT plans to create **50,000** job opportunities; including **10,000** direct jobs and **40,000** indirect ones.
- Africa IT spending- except South Africa- is expected to reach **26.4 billion dollars by 2018**.

Webinars

- **15 September:** How Lean Six Sigma Can Solve Chronic Problems in IT & Software
- **20 August:** H2020 Session 1
- **13 August:** Technology Roadmaps TRM



[Click here to view the videos](#)

Videos

- [Model Driven Engineering \(9:11 Minutes\)](#)
- [PSP/TSP \(6:55 Minutes\)](#)
- [Service Oriented Architecture \(7:08 Minutes\)](#)
- [Systematic Reuse \(6:33 Minutes\)](#)
- [Semantic Technology \(12:43 Minutes\)](#)
- [6 Sigma Green Belt \(8:34\)](#)
- [AMECSE 2014 Conference \(1:05 Minutes\)](#)

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

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