

Enas Ashraf Senior R&D Engineer

Business in brief

Enas Ashraf has 10 years of experience working in promoting state-of-the-art technologies to the Egyptian ICT market with the aim to bridge the technological gap between the Egyptian and international markets. Her experience includes working with Internet of Things (IoT) related technologies including, embedded systems, semantic web, wireless sensor networks and mobile application development together with her experience in training, process engineering and project management activities.

Enas is experienced in assisting companies create their Technology Roadmaps to help them align their business and market needs to their future technological investments.

Enas has a practical experience with **Model Driven Engineering (MDE)** solutions and technologies. During her career, Enas participated in the design and implementation of MDD-based solutions for the **European project, SOFIA**, during her staff exchange visit to **TECNALIA of Spain**. Her experience includes creating **Domain Specific Language** for parsing OWL ontologies, developing model to model and model to text transformations, and automatic code generation.

During her visit to Spain, Enas also gained practical experience with **Semantic Web** solutions and technologies through participating in the design and implementation of semantic solutions for the **European project, LIFEWEAR**. She has also practiced in the implementation and integration of **ontologies** and **semantic solutions** in the **smart space and semantic domain** as a part of her work in the **Energy- Aware Smart Building project** and **Semantic Advertising Platform for Egypt (SALE) project** under the umbrella of the **EU-funded RECOCAPE** project.

As a part of SECC role of promoting state-of-the-art technologies to the Egyptian ICT community, Enas is responsible for **developing and delivering training tracks** for MDE and semantic web as well as **providing consultation services** and hands-on-experience on real projects.

Beside her technical experience, Enas is an active member in software process definition, tailoring, improvement, and implementation in SECC R&D department acting as the **head of Engineering Process Group (EPG) for CMMI accreditation** making use with her experience with IBM Rational Unified Process, Rational tools, ISE Personal Software Process (PSP) and Team Software Process (TSP).

Organizations

Software Engineering competence Center (SECC-ITIDA)

Certifications and designations

- Masters of Science in Electronics and Communications Engineering, Faculty of Engineering, Cairo University
- TOGAF 9 Certified
- IMP³rove Guide - IMProving Innovation Management Performance with sustainable IMPact
- SEI Certified Personal Software Process Engineer(PSP), Software Engineering Institute (SEI)
- Introduction to CMMI V1.2, Software Engineering Institute (SEI)
- Adopting MDD, European Software Institute (ESI)
- Essentials of Rational RequisitePro / Mastering Requirement Management with Use cases, IBM

Sources/References

Technical papers

- Haitham S. Hamza, Enas Ashraf, Azza K. Nabih, Mahmoud M. Abdallah, Ahmed M. Gamaleldin, Alfredo D'Elia, Hadeal Ismail, Shourok Alaa, Kamilia Hosny, Aya Khattab, Ahmed Attallah, "Design and Implementation of an Interoperable and Extendable Smart Home Semantic Architecture using Smart-M3 and SOA", The Tenth International Conference on Networking and Services, ICNS 2014, Chamonix, France, 20 – 24 April, 2014.

Knowledge Assetsⁱ

- Semantic Technologies Applied to Content Management System - Case Study
- Semantic Technologies applied to Content Management System – Technical Report
- Enriching and Sharing State-of-the-Art Technology Updates using Semantic Web
- Semantic Web Technical Digest
- Semantic Smart Environment Tutorial
- MDD Technical Digest
- Getting Started with Model Driven Development and Domain Specific Modeling

Talks and Media

- Enas Ashraf, "[SECC Semantic-Web Hackathon Competition webinar](#)", March, 2014
- Enas Ashraf, "Exploiting the Semantic Technology for Developing Smart Space Application", EGYPT SPIN Event 2013 "Smart Spaces: Challenges & Opportunities", SECC, Egypt, October 2013
- "[Enas Ashraf Ahmed Ibrahim: «Los vascos son muy apasionados con su trabajo, y eso me motiva»](#)". An interview with the Spanish journal "El Correo" during her 3-month stay in Spain whereby participating at a staff exchange program between SECC and its Spanish counterpart, TECNALIA

ⁱ Check the publications section <http://www.secc.org.eg/recocape>