

**UFE**  
**Faculty of Engineering**  
**Individual Activity Sheet**

**Last Name: GHONEIM**

**First Name: Salma**

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**Faculty:** Faculty of Engineering

**Membership Institution :** French University of Egypt

**Professor** (full )

**Particular position:** Detachment from Ain-Shams University, Faculty of Engineering, Computers Engineering and Systems Department.

**1) Education:**

- Professor of Computers Engg. (2001), ASU, Faculty of Engg.- Egypt.
- Associate professor (1994), ASU, Faculty of Engg.- Egypt.
- Ph.D. (1986) in Computers Engg. , Ottawa University – Canada jointly with ASU, Faculty of Engg. – Egypt.
- M.Sc. (1981), ASU, Faculty of Engg.- Egypt.
- B.Sc. (1976), ASU, Faculty of Engg.- Egypt.

**2) Professional Activities:**

- Member of the '**Promotion Committees of Academic Staff**' of the **Supreme Council of Egyptian Universities (since 2008 till present)** to examine promotion files of Egyptian staff members wishing to promote to the position of associate professor and full professor.
- Member of the '**Inspection Committees for High Technical Institutes**' of the **Engineering Sector of the Supreme Council of Egyptian Universities.**
- Member of the **Steering Committee of the 'ICCES'** conference (held annually in Cairo since 2006 up to now).
- Head of the Informatics and Communications Engineering Department at the French University of Egypt.

**3) Teaching Activities:**

**B.Sc. level:**

- Databases
- Operating Systems (basics and advanced)

- Distributed Computing Systems : Principles and Paradigms
- Computer Programming (simple and advanced)
- Algorithms and Data structures.

#### **M.Sc. and Ph.D level:**

- Multiprocessing
- Modern Distributed Systems
- Performance Modeling of Distributed Systems

#### **4) Research Activities**

**4.1** Supervising many M.Sc. theses and Ph.D. theses in areas of 'distributed computing' such as P2P computing, mobile agents, load balancing issues,

#### **4.2 Sample Publications**

1. Hossam M.A. Fahmy, Salma A. Ghoneim, "PodBoard: Podcasting Braced Blended Learning Environment", The 16th IEEE Mediterranean Electrotechnical Conference, Hammamet, Tunisia, 25-28 March, **2012**.

2. Fahmy, Hossam M. A., and Ghoneim, Salma A., " k-Best Paths in Fault Tolerant Bi-directional Heterogeneous Wireless Sensor Networks", 15-th IEEE Mediterranean Electrotechnical Conference meleon, Valletta, Malta, April **2010**, pp. 259-263.

3. Fahmy, Hossam M.A. and Ghoneim, Salma, "Study of Mac Effect on Load-Balanced Short-Path Routing Algorithm in Wireless Networks", in the 14<sup>th</sup> International IEEE Conference on Electronics, Circuits and Systems, December 11-14, **2007**, Marrakech, Morocco.

4. Mourad, Manal, Andraos, Cherif S., and Ghoneim, Salma A., " New Approximate Strategies for Playing Sum Games Based on Subgame Types", Proceedings of the International Conference on Computer Engineering and Systems, (ICCES-2006, Nov.5-7 **2006**, Cairo, Egypt), pp. 418-422.

5. Fahmy, Hossam M.A. and Ghoneim Salma A., "Specification of the DRM and the Time for Preventive Maintenance for Aging Software", Software Quality Journal, Vol.11, pp.57-75, **2003**, Kluwer Academic Publishers, The Netherlands.

6. Fahmy, Hossam M.A. and Ghoneim, Salma A., "Fault-Tolerant Communication with Partitioned Dimension-Order Routers with Complex Faults", in the 15<sup>th</sup> International IEEE Conference on Information Networking (ICOIN-15, Beppu, Japan, Jan.31-Feb.2, **2001**), pp.361-366,

7. Ghoneim, Salma A. and Fahmy, Hossam M., "Job Preemption, Sub-Cube Compaction, or Waiting: A Selection Methodology", Proceedings of the 2001 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS-2001, Orlando, Florida, USA, July 15-19, **2001**), pp. 115-123.

8. Ghoneim, Salma A., "Deferred Updates for Relaxed Consistency in Asynchronous Quorum Protocols", Scientific Engineering Bulletin ( Ain Shams Univ., Cairo), Vol. 33, No. 4, Dec. **1998**. pp. 337-357.

9. --, "Call Path Profiling of Programs with Parallelism", ibid, Vol. 32, No. 1, **1997**, pp. 253-274.

**BOOKS:** - Co-author of "COMPUTERS: BASICS AND SCOPE" (ISBN:77\_5202\_02\_7), October 1996.