CV

Personal Information

Name	Maha Saad El Din Mohamed Tolba
Birth Date	06-09-1974 (El-Menoufiya – Egypt)
Nationality	Egyptian
Marital Status	Married + two children
Address	Department of Computer Science and Engineering, Faculty of Electronic Engineering, Menouf, 32952, El-Menoufiya, EGYPT.
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Academic Information

2011	**Ph.D.** – Ph.D. degree in computer science and engineering, from State Engineering University of Armenia, Yerevan, Armenia. - Title: «Distributed Data Protection Based on Biometric Parameters».
2006	**M.Sc.** – M.Sc. degree in computer science and engineering. Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufiya University, EGYPT. - Title: «Adaptive Routing Schemes for Computer Networks Using Intelligent Systems».
1998	Prep. M.Sc. (One year theoretical study in computer science and engineering).
1997	**B.Sc.** B.Sc degree in Electronic Engineering (May 1997) specialization Computer Science and Engineering. General grade Very Good with Honor Degree (79.5%) and Project grade (Excellent). Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufia University, EGYPT.

Experiences

2012	**Lecturer**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufiya University, EGYPT.
2006	**Assistant Lecture**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufiya University, EGYPT.
1997	**Demonstrator**, Dept. of Computer Science and Engineering, Faculty of Electronic Engineering, Menoufiya University, EGYPT.

Teaching Interests

• C++ Programming Language.	• Digital Logic Design.
· C# Programming Language.	· Computer organization
· Object Oriented Programming.	· Computer Architecture.
· Data Structure and Algorithms.	· Peripheral Devices
· Data Communication.	· Microprocessors.
· Computer Networks.	· Assembly Language.
· Formal Languages and Automata.	· Image Processing and Pattern Recognition
· Compiler Design.	

List of Puplications

1. **M. Tolba,** An Improved Fingerprint Fuzzy Vault Scheme // In Proceedings of the 2011 International Scientific- Practical Conference on "Safety Issues for Information Systems", May 26-27 at Armenian Technological Academy, Yerevan, Armenia, **2011**, pp. 78-82.
2. **M. Tolba ,** V. MarKarov, T. Andreasyan**,** A New Approach for Fingerprint Minutia Extraction Algorithm // Proceedings of the 2010 International Conference on Security & Management, SAM'10, July 12-15 Las Vegas, USA, **2010**, CSREA Press, pp. 577-583.
3. **M. Tolba,** G. Margarov, Share renewal protocol in the presence of active attackers **//** Proceedings of the Workshop on Applications of Information Theory, (WAITSC2010), Coding and Security, April 14-16, Yerevan, Armenia, **2010**, pp. 59-62.
4. **M. Tolba,** E. Hovhannisyan, On pro-active secret sharing schemes // XXXV International Youth Scientific conference "Gagarin readings", MATI, Moscow, **2010**, vol. 4 – pp. 55 – 56.
5. **M. Tolba,** T. Andreasyan, An algorithm for computing fingerprint minutia points // XXXV International Youth Scientific conference "Gagarin readings", MATI, Moscow, **2010**, vol. 4 – pp. 58 –60 .
6. **M. Tolba ,** G. Margarov, Fingerprint biometric solution for securely secret sharing // Proceedings of the 2009 International Conference on Security & Management, SAM'09, July 13-16 Las Vegas, USA, **2009**, CSREA Press, pp. 211-213.
7. **M. Tolba,** G. Margarov, Biometrics based secret sharing using fuzzy vault // Proceedings of the 7th International Conference "Computer Science and Information Technologies", CSIT'09, Yerevan, Armenia, **2009**, pp. 177-180**.**
8. **M. Tolba,** Actual problems of information security based on biometrics // Proceedings of the Yerevan State University of Armenia (*Polytechnic*)-Yerevan, **2009.** Part 1, No. 1, pp. 428-432.
9. **M. Tolba,** Mostafa M. Syiam, Hamdy M. Kelash, and M. Tolba, Adaptive Routing Algorithm for Computer Networks using Genetic Operators // In Proceedings of the 2nd International Conference of Intelligent Computing and Information sciences (ICICIS), Cairo, Egypt, March, 5-7, **2005**.