

Curriculum Vitae

Profile

Name: Loay Mamdouh Mohamed Saif

Nationality: Egyptian

Gender: Female

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Education

- **February 2016 – 2020**
 - Ph.D. in Computer Science, Faculty of Science, Assiut University, Egypt.
 - **Thesis:** "Steganographic Techniques for Secure Data Communication".
- **July 2011 – 2015**
 - M.Sc. in Computer Science, Faculty of Science, Assiut University, Egypt.
 - **Thesis:** "Steganography for Secure and Imperceptible Data Communication".
- **September 2008 - October 2009**
 - Pre-Master in Computer Science, Faculty of Science, Assiut University, Egypt.
 - Grade (Very Good – 86.71 %).
 - Order: The First.
- **2002 – June 2006**
 - B.Sc. of Science in Computer Science, Faculty of Science, Assiut University, Egypt.
 - Graduation grade (Very Good – 78.24%).
 - Graduation Project
 - *Customer Support System.*
 - *Crystal symmetry.*
 - Graduation Project Grade (Excellent).

Work Experience and Past Positions

- **October 2007 - July 2010**
 - A teacher of computer science in Technological College of Middle Valley following Ministry of Higher Education.
- **July 2010 – 2020**
 - System administrator and technical support in Assiut Court.

Current position

- **2021 – Present**

- Lecturer of Computer Science Department, Faculty of Computers & Artificial Intelligence, South Valley University, Egypt.

Certificates

- The training program of Faculty and Leadership Development Center "Credit Hour System".
- The training program of Faculty and Leadership Development Center "Legal Aspects in Universities".
- The training program of Faculty and Leadership Development Center "Quality Standards in Teaching".
- The training program of Faculty and Leadership Development Center "Research Ethics".
- The training program of Faculty and Leadership Development Center "How to Design the E-Course".
- The training program of Faculty and Leadership Development Center "Conference Organization".
- German language course.
- English Language Proficiency Test (ELPT).
- Awarded the best young oral presentation at the International Conference on Pure and Applied Sciences, 28 – 30 Mar. 2015, Luxor, Egypt.
- Parallel programming session.
- The training program of Faculty and Leadership Project "The First Educational Session for Technological Colleges".
- ICDL (International Computer Driving Licence).

Skills

- **Programming languages:** Matlab, C++, C, C#, Pascal and Fortran.
- **Desktop Publishing:** Latex, Microsoft Office (Access, Excel, Power Point, Word).
- **Database Management System:** Microsoft Access.
- **Web Technologies:** HTML.

Languages

- **Arabic:** Mother Language.
- **English:** Very Good.
- **Deutsch:** Good

Research areas

- Information Security
- Computer Security
- Steganography
- Cryptography
- Data Hiding
- Image Processing

Workshops

- Participation in the 9th International Conference on Mathematics and Information Sciences, Feb. 6-8, Aswan, Egypt, 2020.
- Participation in the 7th International Conference on Mathematics and Information Sciences, Feb. 15 - 17, Sohag, Egypt, 2018.
- Participation in the International Conference on Pure and Applied Sciences, Mar. 28 - 30, Luxor, Egypt, 2015.

Publications

- Loay Mamdouh Mohamed Saif, Dalia Mohamed Nashat, "Image Steganography Techniques: Survey and Classification", The 9th International Conference on Mathematics and Information Sciences, Aswan, Egypt, 6-8 Feb. 2020.
- Nashat, Dalia, and Loay Mamdouh. "An efficient steganographic technique for hiding data", Journal of the Egyptian Mathematical Society 27.1 (2019): 1-14.
- Loay Mamdouh and Dalia Nashat, "An Improved LSB Inversion Image Steganographic Technique", Assiut University Journal of Mathematics and Computer Science, 48(2), PP.110-124 (2019).
- Loay Mamdouh Mohamed Saif, Dalia Mohamed Nashat, "An efficient steganographic technique for hiding data", The 7th International Conference on Mathematics and Information Sciences, Sohag, Egypt, 15-17 February 2018.
- M. H. Mohamed and L. M. Mohamed, "High capacity image steganography technique based on lsb substitution method," Journal of Applied Mathematics & Information Sciences, vol. 10, no. 1, pp. 259–266, 2016.
- Loay M. M. Saif, Marghny H. Mohamed, "A Modified High Capacity Image Steganography Technique Based on LSB substitution method", The International Conference on Pure and Applied Sciences, Luxor, Egypt, 28-30 Mar. 2015.