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سيـــرة ذاتيـــة مختصـــرة

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مدرس بقسم الرياضيات ـ شعبة الحاسب الآلي

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الدرجة الأكاديمية: مدرس بكلية العلوم جامعة سوهاج.

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Short CV
Seham Elaw Amer Mahmoud

Lecture in Mathematics Department – Computer Science
Faculty of science – Sohag university

Name: **Seham Elaw Amer Mahmoud**

Academic Rank: Lecture, Computer science, Math Department, Faculty of science, Sohag University.

PhD title: A System for Human Face Detection and Verification in Digital Images.

Master awarding University, Graduation year: sohag university, 2017

Birth date   : sept., 10, 1983.

Birth place : Sohag, Egypt.

E-mail   : **sehamamer63@yahoo.com**

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Academic qualifications:

(1) B. Sc. in Computer Science, Very good with honor degree (June, 2004), Maths. Department, Faculty of Science, South Valley University, Egypt.

(2) Pre-Master Diploma in computer science, Sohag University, faculty of science ,October 2007(very good).

(3) Master in computer science, Sohag University, faculty of science ,October 2011.

(4) PhD in computer science, Sohag University, faculty of science, January 2017.

Employment history:

- **Demonstrator:** Full time (June, 2005 until now) Maths. Department, Faculty of Science, Sohag University.

- Demonstrator at south valley university during the period 2005 until 2007.
- Demonstrator at Sohag University 2007 until October 2011.
- Assistant lecture at Sohag University October 2011 until February 2017.
- Lecture at Sohag University February 2017 until now.

Teaching Courses (for undergraduate students):

- Computer applications: Most PC's languages and Packages including: Microsoft Office ,adobe Photoshop, FrontPage, Matlab , Visual Basic, Fortran , Mathematica, mathcad , visual C++ ,maple, python and Visual Pascal.

Skills:

- **International computer driving licence (ICDL), ICTP.**

Languages:

English: Reading: very good, Writing: good, Speaking: good.

Main Research interests:

Image coding, Pattern recognition, Image compression, computer vision and several image processing techniques.

Publications

1. A. Swilem, M. R. Girgis, A. H. Abd Ellah and S. Elaw, "*A Fast Image Detection Method Using Variance and Variance Covariance Matrix"*, The 7th International Conference on Informatics and Systems, p. (HPC-1 – HPC-6), Cairo, Egypt, INFOS, 2010.

2. A. Swilem, M. R. Girgis and S. Elaw, " *Color Image Recognition Using Variance and Variance-Covariance Technique"*, International Journal of Intelligent Computing and Information science (IJICIS), Vol. 11, Issue 2, p. (195-208), July 2011.

3. W. Mohamed, M. Heshmat, M. Girgis and S. Elaw, "*A new Method for Face Recognition Using Variance Estimation and Feature Extraction*", International Journal of Emerging Trends and Technology in Computer Science (IJETTCS), vol. 2, no. 2, pp. 134-141, (2013).

4. Walaa Mohamed, Mohamed Heshmat, Moheb Girgis and Seham Elaw, "*A New Face Recognition Scheme for Faces with Expressions, Glasses and Rotation",* International Journal of Computer Engineering &Technology (IJCET), vol. 5, no. 4, pp. 11-23, April (2014).

5. Mohamed Heshmat, Walaa M. Abdel-hafiez, Moheb Girgis and Seham Elaw, "*Human Face Detection in A Video Stream Using Luv Color Space*", International Conference on Pure and Applied Sciences (ICPaAS), 28-30 March 2015, Luxor, Egypt.

6. Walaa M. Abd-Elhafiez, Mohamed Heshmat and Seham Elaw, "*Efficient Method for Face Recognition and Its Role in Supporting E-learning Systems*", The Fifth International Conference on e-Learning (econf), IEEE Xplore, pp. 216-219, 18-20 October 2015, Manama, Bahrain.

7. Mohamed Heshmat, Walaa M. Abd-Elhafiez, Moheb Girgis and Seham Elaw, "*An Efficient Scheme for Face Detection Based on Contours and Feature Skin Recognition*", The 10th IEEE International Conference on Computer Engineering & Systems (ICCES), IEEE Xplore, pp. 255-260, 23-24 December 2015, Cairo, Egypt.

8. Mohamed Heshmat, Walaa M. Abd-Elhafiez, Moheb Girgis and Seham Elaw, "*Face Identification System in Video*", Accepted in The 111th IEEE International Conference on Computer Engineering & Systems (ICCES), IEEE Xplore, December 2016, Cairo, Egypt.

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Thanks for giving me such Precious Time of yours

Seham Elaw Amer Mahmoud