

RESUME/ CURRICULUM VITAE

Name: Hossam Eldeen Ibrahim Ali

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Nationality: Egyptian

CAREER PROFILE/SUMMARY

- Demonstrator, lecturer and assistant professor at Faculty of Engineering Helwan university
- Supervising MSc and PhD degrees at Faculty of Engineering Helwan university.
- Assistant professor at faculty of computer science and information technology, Albaha university.

EDUCATION/ACADEMIC QUALIFICATIONS

1) Ph.D. Computer Engineering, Faculty of Engineering

UNIVERSITY : Helwan

GRADUATION YEAR : 2009

2) B.Sc. Communications & Electronics Engineering, FACULTY OF Engineering

UNIVERSITY : Helwan

GRADUATION GRADE : Excellent

GRADUATION YEAR : May 2000

3) M.Sc. Computer Engineering, Faculty of Engineering

UNIVERSITY : Helwan

GRADUATION YEAR : 2004

EMPLOYMENT HISTORY

2016 – until now: Assistant Professor at Al-Baha University, Albaha, Kingdom of Saudi Arabia

2009 - 2016: Assistant Professor at:

1. Faculty of Engineering, Helwan University (Full time).
2. 6th October university (Part time)
3. Egyptian Russian university (Part time)
4. Private program in Faculty of Engineering, Helwan University .

2004 - 2009: Teaching Assistant at Faculty of Engineering, Helwan University.

2000 - 2004: Demonstrator at Faculty of Engineering, Helwan University.

PUBLICATIONS

Publications

1. HazemKhaled, SamirG.Sayed, EISayedM.Saad, and HossamAli, "Hand Gesture Recognition Using Modified 1\$ and Background Subtraction Algorithms", Mathematical Problems in Engineering, Vol. 2015, March 2015.
2. El Sayed M. Saad, Medhat H. Awadalla, Hosam Eldin I. Ali, Rasha F. A. Mostafa, "Humanoid Robot Learning How To Track and Grip", INTERNATIONAL JOURNAL OF COMPUTERS & TECHNOLOGY, ISSN 2277-3061, Vol. 11, No 7, N o v 1 0 , 2 0 1 3.
3. Hosam Eldin I. Ali, Shahira M. Habashy, Elsayed M. Saad1 and Marwa T. Yousef, "A COMPARISON STUDY BETWEEN USING THE PSO ALGORITHM AND THE GA IN MOBILE ROBOT'S MOTION", International Journal of Information Technology, Control and Automation (IJITCA) Vol.3, No.1, January 2013
4. El Sayed M. Saad, Medhat H. Awadalla, Hosam Eldin I. Ali, Rasha F. A. Mostafa, " Voice-Based Humanoid Robot Interaction", International Journal of Soft Computing and Engineering (IJSCE), ISSN: 2231-2307, Volume-2, Issue-4, September 2012
5. El Sayed M. Saad, Medhat H. Awadalla, Hosam Eldin I. Ali, Rasha F. A. Mostafa, " Object Manipulation Using a Humanoid Robot", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-1, Issue-6, August 2012

6. El Sayed M. Saad, Medhat H. Awadalla, Hosam Eldin I. Ali, Rasha F. A. Mostafa, "Interactive Learning for Humanoid Robot", IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 4, No 1, July 2012
7. El Sayed M. Saad, Medhat H. Awadalla, Hosam Eldin I. Ali, Rasha F. A. Mostafa, "Humanoid Robot Telling the Object's Place", international journal of computer applications in engineering sciences, Vol II, Issue II, June 2012
8. Marwa T. Yousef, Shahira M. Habashy, Hosam Eldin I. Ali and Elsayed M. Saad, "Tracking of Multi Moving Targets Using the Simplified Artificial Potential Field Controller", JOURNAL OF COMPUTER SCIENCE AND ENGINEERING, VOLUME 13, ISSUE 2, JUNE 2012
9. Marwa T. Yousef, Hosam Eldin I. Ali, Shahira M. Habashy, Elsayed M. Saad, "Improved Potential Field Controller for Obstacle Avoidance in Mobile Robots", 29th NATIONAL RADIO SCIENCE CONFERENCE (NRSC 2012), April 10 - 12, 2012, Faculty of Engineering/Cairo University, Egypt.
10. Marwa Taher, Hosam Eldin Ibrahim, Shahira Mahmoud, Elsayed Mostafa, "Tracking of a Moving Target by Improved Potential Field Controller in Cluttered Environments", International Journal of Computer Science Issues (IJCSI), Vol. 9, Issue 2, No 3, March 2012.
11. E.M.Saad, El.Bardawiny, H.I.ALI and N.M.Shawky, "MCMC Particle Filter Using New Data Association Technique with Viterbi Filtered Gate Method for Multi-Target Tracking in Heavy Clutter", (IJACSA) Vol. 2, No. 8, 2011.
12. E.M.Saad, El.Bardawiny, H.I.ALI and N.M.Shawky, "Improving Data Association Based on Finding Optimum Innovation Applied to Nearest Neighbor for Multi-Target Tracking in Dense Clutter Environment", International Journal of Computer Science Issues (IJCSI), Vol. 8, Issue 3, No. 1, May 2011.
13. E.M.Saad, El.Bardawiny, H.I.ALI and N.M.Shawky, "Filtered Gate Structure Applied to Joint Probabilistic Data Association Algorithm for Multi-Target Tracking in Dense Clutter Environment", International Journal of Computer Science Issues (IJCSI), Vol. 8, Issue 2, March 2011.
14. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, "Multi-Target Tracking using a Compact Q-Learning with a Teacher", The 26th National Radio Science Conference (NRSC2007), March 17-20. 2009.
15. E.M. Saad, M.H. Awadalla, A. M. Hamdy and H. I. Ali, "Multi-Target Tracking using Human Teachable Robots", International Journal of Computers, Vol. 2, Issue 4, pp 479-488, 2008
16. E.M. Saad, M.H. Awadalla, A. M. Hamdy and H. I. Ali, "Efficient Distributed Controller for Robot Formations using Local Sensing and limited Range Communications", International Journal of Computers, Vol. 2, Issue 3, pp 330-339, 2008.
17. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, A Distributed Controller for Roaming Robot Formations using Local Sensing and Limited Range Communications, The 7th WSEAS International Conference on

COMPUTATIONAL INTELLIGENCE, MAN-MACHINE SYSTEMS and CYBERNETICS (CIMMACS '08), December 29-31, 2008.

18. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, Multi Target Tracking using a Compact Qlearning with a Teacher, The 2008 International conference on Computer Engineering & Systems (ICCES,08), Nov. 25-27, 2008.
19. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, "Robot Formations using Local Sensing and limited Range Vision", The 25th National Radio Science Conference (NRSC2007), March 18-20. 2008.
20. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, "A distributed algorithm for robot formations using local sensing and limited range communications", The fourth Conference on Innovative Production Machines and Systems IPROMS., July 1-14.2007.
21. H. I. Ali, M. A. Ismail, M. I. El-Adawy and E. M. Saad, "An Arabic to English Machine translation system", The fourth Conference on Language Engineering CLE' , October 21-22. 2003, pp. 164- 178
22. H. I. Ali, M. A. Ismail, M. I. El-Adawy and E. M. Saad, "An Arabic to English Machine translation system using QLF", 21st International Conference for Artificial Intelligence and its applications, February 5-8 . 2003, pp. 459- 466
23. H. I. Ali, M. A. Ismail, M. I. El-Adawy and E. M. Saad, "An Improved Arabic Morphological Analyzer [IAMA]", 27th International Conference for Statistics, Computer Science and its Applications, April 13-18 . 2002, pp. 459- 466.

PRESENTATIONS

1. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, "Multi-Target Tracking using a Compact Q-Learning with a Teacher", The 26th National Radio Science Conference (NRSC2007), March 17-20. 2009.
2. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, A Distributed Controller for Roaming Robot Formations using Local Sensing and Limited Range Communications, The 7th WSEAS International Conference on COMPUTATIONAL INTELLIGENCE, MAN-MACHINE SYSTEMS and CYBERNETICS (CIMMACS '08), December 29-31, 2008.
3. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, Multi Target Tracking using a Compact Qlearning with a Teacher, The 2008 International conference on Computer Engineering & Systems (ICCES,08), Nov. 25-27, 2008.
4. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, "Robot Formations using Local Sensing and limited Range Vision", The 25th National Radio Science Conference (NRSC2007), March 18-20. 2008.
5. E. M. Saad, M. H. Awadalla, A. M. Hamdy, H. I. Ali, "A distributed algorithm for robot formations using local sensing and limited range communications",

The fourth Conference on Innovative Production Machines and Systems IPROMS., July 1-14.2007.

6. H. I. Ali, M. A. Ismail, M. I. El-Adawy and E. M. Saad, "An Arabic to English Machine translation system", The fourth Conference on Language Engineering CLE', October 21-22. 2003, pp. 164- 178
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8. H. I. Ali, M. A. Ismail, M. I. El-Adawy and E. M. Saad, "An Improved Arabic Morphological Analyzer [IAMA]", 27th International Conference for Statistics, Computer Science and its Applications, April 13-18 . 2002, pp. 459- 466.

RESEARCH FUNDS/GRANTS

- ABU-Grant, "Deploying Internet of Things for Road Traffic Obstacles Detection in Al-Baha Region", 2018

TEACHING EXPERIENCE

- Supervision
 - MSc of Computer engineering for one (1) researcher at electronics, communications and computer Engineering department at faculty of Engineering, Helwan university
 - PhD of Computer Engineering for three (3) researchers at electronics, communications and computer Engineering department at faculty of Engineering, Helwan university
- Postgraduate
 - Advanced computer engineering
 - Digital image processing
 - Artificial intelligence
- Undergraduate
 - Computer organization and architecture.
 - Advanced digital design
 - Robotics
 - Operating systems
 - Compilers design
 - Object oriented development and implementation
 - Object oriented programming
 - Electrical circuits II
 - Programming basics

- Digital logic design
- Microprocessors
- Embedded systems
- Computer interfacing
- Digital image processing
- Artificial intelligence
- Introduction to computing
- Data structures and algorithms
- Program packages

COMMITTEES

- Member of the development and Quality committee of computer science program at faculty of computer science and information technology, Albaha university.
- Member of the Faculty of computer science and information technology committee for final year project, at Albaha university.
- Member of the student affairs committee of computer science program at faculty of computer science and information technology, Albaha university.
- Member of the development and Quality committee of electronics, communications and computer Engineering department at faculty of Engineering, Helwan university.
- Head of department schedule committee at electronics, communications and computer Engineering department at faculty of Engineering, Helwan university.

PROFESSIONAL DEVELOPMENT

Had attended 6 training workshops regarding improvement of teaching strategies, building an exam, higher education and postgraduate, and some other related titles. This was at helwan university, Egypt as a requirement for acquiring assistant professor position at helwan university.

REFERENCES

NAME: Prof. Elsayed Mostafaa saad

TITLE/COMPANY: faculty of Engineering, Helwan university (Vice Dean)

CONTACT DETAILS: elsayedmos@hotmail.com

NAME: Prof. Mohamed Ibrahim Aladawy

TITLE/COMPANY: faculty of Engineering, Helwan university (Vice Dean)

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TITLE/COMPANY: faculty of Engineering, Helwan university (Dean)

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NAME: Prof. Ihab ali

TITLE/COMPANY: faculty of Engineering, Helwan university (Vice Dean)

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