

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name: Hesham Abd-Elnaby Mohamed Haridi.  
Address: Electrical Engineering Department, Faculty of Engineering,  
Assiut University, Assiut, Egypt.  
Date of Birth: September, 20, 1977, Assiut, Egypt.  
Military Status: Complete the service as Reserve Officer for three years.  
Marital status: Married  
Mobile: +20 01115076353  
Email: [hesham\\_abdelnaby@eng.au.edu.eg](mailto:hesham_abdelnaby@eng.au.edu.eg)



## EDUCATION

Oct 2004 – Dec 2012	Assiut University, Faculty of Engineering <b>Master of Science in Electrical Engineering</b> Master thesis entitled <b>"Planning Form-Closure grasp of 2D objects for Robotic Hand."</b> <ul style="list-style-type: none"><li>• Ref. Prof. Dr. Khaled Mamdouh Shaaban, <a href="mailto:kshaaban@hotmail.com">kshaaban@hotmail.com</a> , the research supervisor.</li><li>• Ref. Prof. Dr. Moumen T. El-Melegy, <a href="mailto:moumen@ieee.org">moumen@ieee.org</a> , the research supervisor.</li></ul>
Sep 1996 – July 2001	Assiut University, Faculty of Engineering <b>Bachelor of Electrical Engineering "Control and Computer" section</b> Project: " <b>Multi-Drop Serial Industrial Bus</b> ".

## WORK EXPERIENCE

Jan 2013 – Now	<b>Faculty of Engineering Assiut University</b> Position: Assistant Lecturer
Oct 2004 – Dec 2012	<b>Faculty of Engineering Assiut University</b> Position: Demonstrator.  Responsibilities: <ul style="list-style-type: none"><li>• M.Sc. Researcher in the field of Robotic.</li><li>• Provides a demonstration for students in the following subjects: Computer Network. Computer Architecture. Computer Language(C,C++,C#). Computer Organization. Embedded System Design. Microprocessor. Digital Circuit Design. Digital Circuit Design Lab. Robotic</li></ul>

## RESEARCH INTERESTS

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- Embedded systems.
- Robotics.
- Wireless Sensor Network.
- Computer Architecture.

## PUBLICATIONS

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- Hesham A. Mohamed and Khaled M. Shaaban, "**Planning Enveloping Grasps of 2D Objects for Anthropomorphic Hands**", IROS2013 Workshop, Tokyo, Japan, November 2013.
- Hesham A. Mohamed and Khaled M. Shaaban, "**Planning Form-Closure Grasps of 2D Objects for Robotic Hands**", Journal of Engineering Sciences, Assiut University, Assiut, Egypt, Vol. 40, pp. 1759-1780, November 2012.

## TECHNICAL SKILLS

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### Certificates

- **CCNA** (Cisco Certified Network Associate) Certificate.
- **CCAI** (Cisco Certified Associate Instructor) Certificate.
- **ICDL** (International Computer Driving License) Certificate.
- Publishing and Grants Writing Certificate.

### Experiences

- Robotics ( Forward kinematics - Inverse Kinematics - Singularity - Linear and Angular Velocity- Manipulator Jacobian - Joint Control - Force Control- Kalman Filters – Trajectory Planning).
- Computer vision(Binary Image Processing – Image Filtering – Edge Detection – Contours )
- Pattern Recognition (Probability Theory - Parzen Window - KNN - Parametric Density Estimation – Bayesian Estimation - MLE - EM - PCA - FLD - SVM).
- Computer Network (Fundamentals – Routing – Switching – WAN Technologies – Wireless – IP Telephony – Security).
- C# & C++
- GUI (Graphical User Interface)
- Microcontroller (Microchip – Atmel).
- Proteus PCB Design and simulation.
- Matlab & Simulink
- QBasic
- FORTRAN 95
- Assembly language for Microprocessor

## TRAINING

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- Training for acquiring **CCNA** Instructor at **NTI**(National Telecommunication Institute), Cairo, from 18 Jan - 16 Feb ,2009.

## MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

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Professional Body	Level of Membership
CISCO	CCNA Instructor.
HP	Member of HP Lab for Interactive Computer Architecture.

## PRESENTATIONS AND INVITED TALKS

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- IROS2013 Full day Workshop on Caging and Its Applications in Grasping/Multi-agent Cooperation, Tokyo, Japan, 7 Nov 2013.
- Workshop for Cisco training Event At Ain Shams University ,Cairo, Egypt, from Dec 12 - Dec 16, 2010

## SOFT SKILLS

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Attended the following Workshops in Assiut University Faculty and Leadership Development Project (FLDP)

- Communication Skills.
- Effective Thinking.
- Effective Teaching.
- Effective Presentation.

## REFERENCES

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- Prof. Dr. Khaled Mamdouh Shaaban, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. ([kshaaban@hotmail.com](mailto:kshaaban@hotmail.com))
- Prof. Dr. Moumen T. El-Melegy, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. ([moumen@ieee.org](mailto:moumen@ieee.org) or, [mtelmelegy@yahoo.com](mailto:mtelmelegy@yahoo.com)).
- Prof. Dr. Samia Abdel Fattah Ali Hassan, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. ([samia\\_fattah@yahoo.com](mailto:samia_fattah@yahoo.com) ).
- Dr. Yasser F. O. Mohammad , Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. ([yasserfarouk@gmail.com](mailto:yasserfarouk@gmail.com)).