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Dean's office Tel : 048- 2225446, Vice Dean's Tel: 048-2317868 ,048- 2317796, 048-2317862 , Administration Tel :048-2317826

## Curriculum Vitae of Dr. Arabi Keshk

### السيرة الذاتية أ. د. عربى السيد إبراهيم كشك

Name: Arabi Elsayed Ibrahim Keshk

Job: Professor of Computer Science,

Dean of Faculty of Computers and Information, Menoufia University

Date & Place of Birth: 21 Nov. 1964, Kaloubia, Egypt

Nationality: Egyptian

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### أولاً: بيانات عامة:

عربى السيد إبراهيم كشك	الإسم (بالعربية)
Arabi Elsayed Ibrahim Keshk	الإسم (بالإنجليزية)
مسلم	الديانة
متزوج	الحالة الإجتماعية
أستاذ علوم الحاسب - ٢٠١٤/٧/٢٢	الدرجة الوظيفية وتاريخها
- عميد كلية الحاسبات والمعلومات - جامعة المنوفية	الوظيفة الحالية
هندسة البرمجيات	التخصص العام
علوم الحاسب	القسم
٢٠٠٢	تاريخ التعيين
١٩٦٤/١١/٢١ طنان قلوب القليوبية	تاريخ الميلاد/محل الميلاد
٢٦٤١١٢١١٤٠١٨١٦	الرقم القومى
إعفاء نهائى - وحيد	الموقف من التجنيد
طنان - قلوب - القليوبية	العنوان الحالى
٠٢٤٦٢٠٢٢٩٧	رقم التليفون
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### ثانياً: المؤهلات العلمية:

الجامعة / المؤسسة التعليمية	سنة الحصول عليها	الدرجة العلمية
المنوفية - كلية الهندسة الإلكترونية - منوف	١٩٨٧	بكالوريوس الهندسة الإلكترونية
المنوفية - كلية الهندسة الإلكترونية - منوف	١٩٩٥	ماجستير هندسة وعلوم الحاسب
اوساكا - اليابان	٢٠٠١	دكتوراة الهندسة الإلكترونية

- عنوان رسالة الماجستير ومجالها :  
إختبار المعالج اساس الأنظمة الرقمية – المجال هندسة وعلوم الحاسب

Testing of Microprocessor Based-Digital Systems

- عنوان رسالة الدكتوراة ومجالها :  
تحليل محاكاة أعطال القنطرة فى إختبار دوائر CMOS المتكاملة  
Analysis and Simulation of Bridging Faults in Testing of CMOS Integrated Circuits  
ثالثاً: التدرج الوظيفى الأكاديمى (الداخلى والخارجى) :

الوظيفة	سنة الإلتحاق بها	إسم المؤسسة
باحث	١٩٨٨-٢٠٠٢	المعهد القومى للبحوث الفلكية والجيوفيزيقية بحلوان
مدرس – قسم علوم الحاسب	٢٠٠٢	كلية الحاسبات والمعلومات بجامعة المنوفية
استاذ مساعد-علوم الحاسب	٢٠٠٩	كلية الحاسبات والمعلومات بجامعة المنوفية
ق.ع. رئيس قسم علوم الحاسب ووكيل الكلية لشئون التعليم والطلاب	٢٠١١-٢٠١٣	كلية الحاسبات والمعلومات بجامعة المنوفية
استاذ - علوم الحاسب	٢٠١٤	كلية الحاسبات والمعلومات بجامعة المنوفية
عميد الكلية	٢٠١٣ - ٢٠١٨/٧/٨	كلية الحاسبات والمعلومات بجامعة المنوفية

رابعاً: الخبرة التدريسية والبحثية:

### Teaching Courses Experience

- 1- Electronics, Microprocessor, and Logic Circuits
- 2- Networks
- 3- VLSI Design & Testing
- 4- Software engineering & testing
- 5- Data and file Structures using Java and C++
- 6- Operating Systems
- 7- Embedded & Real time systems
- 8- Computer Graphics
- 9- Distributed Systems
- 10- Computer organization
- 11- System analysis & Design
- 12- Computer Languages (Assembly, C++, and JAVA)
- 13- Database & Data Mining
- 14- Computer Interfacing
- 15- Cloud Computing & Big Data Analytics

### Research Topics

- 1- Cloud Computing
- 2- Big Data Analytics
- 3- Distributed Systems
- 4- Digital Systems Testing
- 5- Software Testing
- 6- Data Security

## خامساً: الدورات التدريبية الحاصل عليها:

أ- دورات تدريبية في مجال التخصص:

م	مسمى الدورة التدريبية	تاريخ ومكان الإنعقاد
١	Cloud Computing Infrastructure	EMC <sup>2</sup> ٢٠١٤/٢
٢	Big Data Analytics	EMC <sup>2</sup> 2016

ب- دورات تدريبية في مجال الجودة:

م	مسمى الدورة التدريبية	تاريخ ومكان الإنعقاد
١	اعداد مراجع خارجي لكليات الحاسبات	٢٠١٥/٣ الهيئة القومية لضمان الجودة والإعتماد
٢		

## سادساً: المهمات العلمية

م	مسمى المهمة	تاريخ ومكان الإنعقاد
١	منحة وزارة التعليم العالي لدور نوفمبر ٢٠٠٦ في إطار مبادرة الإنتماء والشراكة	٦/٣٠ - ٢٠٠٧/٩/٣٠ جامعة اوساكا- اليابان
٢	استاذ زائر هندسة الحاسبات - جامعة السلطان قابوس	٢/٤ - ٢٠١٠/٦/٤ سلطنة عمان
٣		

سابعاً: الأنشطة المختلفة في مجال نظم إدارة الجودة / مشروعات تطوير التعليم :

م	النشاط / المساهمة	مدة المساهمة	الجهة
١	مراجع خارجي- كلية الحاسبات- حلوان	٢٠١٥/٥/١١-٥/٧	جامعة حلوان
٢	مراجع خارجي- كلية الحاسبات- القاهرة	٢٠١٦/٣/١٩-٣/١٦	جامعة القاهرة
٣	مراجع خارجي- كلية الحاسبات- بنها	٢٠١٧/٤/١١-٩	جامعة بنها
٤	مراجع خارجي- كلية الحاسبات- ج المستقبل	٢٠١٨/٤/٣-١	جامعة المستقبل

## Employment Experience

- Lecturer Assistant in National Research Institute of Astronomy and Geophysics, Department of Seismology, Helwan, Cairo, Egypt, 1988- 1997.
- Teaching Assistant in Computer Engineering in Osaka University from 1998- 2001, Testing of Digital Systems (Microprocessor, Memory, Input /Output, and CMOS ICs).
- Apr, 2001- Dec. 2002 Lecturer in High Institute of Technology studies, Egypt.
- Sep. 2002 – Mar. 2003 Visiting Researcher in Tokyo Metropolitan University, Tokyo, Japan.
- Oct., 2002 – June, 2009 Lecturer (Assistant Professor), Faculty of Computers and Information, Computer Science Dept., Menoufia University
- Feb.-June, 2010, Visiting Consultant in ECCE Dept., Sultan Qaboos University, Oman,
- June 2009 – 2014 , Associate Professor Head of Computer Science Dept.
- July 2014 Professor of Compter Science
- Aug. 2013- 8/7/2018, Dean, Faculty of Computers and Information, Menoufia University.

## Research Area

- Software-based Built-in self test (BIST) for Digital Systems (SoC Testing)
- Software Testing and QoS
- Design for Testability of Digital Systems (Microprocessor, Memory, and CMOS ICs).

- **Service Oriented Architecture (SOA) & Semantic Web Search Engine**
- **Cloud Computing**
- **Big Data analytics**

Other Activity

- **Member of Quality Assurance Committee in Faculty of Computers and Information, Menoufiya University, CIQAAP Project.**
- **Member of Egypt Seismological Networks project.**
- **IEEE member**

## **List of Publications:**

### **2018**

- 1- Eman M. Mohamed, Hamdy M. Mousa, [Arabi E. keshk](#), "Comparative Analysis of Multiple Sequence Alignment Tools", International Journal of Information Technology and Computer Science(IJITCS), Vol.10, No.8, pp.24-30, 2018.
- 2- Ahmed A. AbdulHamed, Medhat A. Tawfeek, [Arabi E. Keshk](#), " A Genetic Algorithm for Service Flow Management with budget Constraint in Heterogeneous Computing", Future Computing and Informatics Journal, In Press, 2018
- 3- Eman M. Mohamed, Hamdy M. Mousa, [Arabi E. keshk](#), " Improving Standard Progressive Multiple Sequence Alignment by Using Multithreading Techniques", accepted paper in IEEE 14th International Computer Engineering Conference (ICENCO) 2018
- 4- Sara Shehab, Sameh Abdulah, [Arabi E. Keshk](#), " A Survey of the State-of-the-Art Parallel Multiple Sequence Alignment Algorithms on Multicore Systems", International Journal of Computer Applications (0975 - 8887) Volume 182 - No.12, August 2018.
- 5- Sara Shehab, Sameh Abdulah, and [Arabi Keshk](#), "Parallel Algorithm for Aligning Multiple Biological Sequences on Manycore Systems", accepted paper in IEEE International Conference on Computer Engineering and Systems(ICCES 2018 )

### **2017**

- 14- Amira Abdelatey, Mohamed Elkawkagy, Ashraf Elsis, [Arabi Keshk](#) , "A Multilateral Agent-Based Service Level Agreement Negotiation Framework", © Springer International Publishing AG 2017, Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2016, Advances in Intelligent Systems and Computing, pp. 576-586, 2017.
- 15- S. SHEHAB, S. SHOHDY, [A. KESHK](#), " POMSA: An Efficient and Precise Position-Based Multiple Sequence Alignment Technique", The 2nd International Conference on Advanced Technology and Applied Science (ICaTAS ), pp. 213-218, 2017.
- 16- E. ELWAN, M. ELKAWKAGY, [A. KESHK](#), " Enhancing Fine Grained Technique for Maintaining Data Privacy", The 2nd International Conference on Advanced Technology and Applied Science (ICaTAS ), pp. 369-375, 2017.

### **2016**

- 1- Amira Abdelatey, Mohamed Elkawkagy, Ashraf El-Sisi, and [Arabi Keshk](#), "A Repaired Genetic Algorithm-based Approach for Web Service Security Negotiation," Accepted in 26th International Conference on Computer Theory and Applications, 2016, In press
- 2- Amira Abdelatey, Mohamed Elkawkagy, Ashraf El-Sisi, and [Arabi Keshk](#), "Efficient Genetic-based Approach for Web Service Security Negotiation," Accepted in IEEE 12th International Computer Engineering Conference, 2016, In press.
- 3- I.M.Selim, [Arabi E. Keshk](#), Bassant M.El Shourbugy,"Galaxy Image Classification using Non-Negative Matrix Factorization" International Journal of Computer Applications (0975 – 8887) Volume 137 – No.5, March 2016.
- 4- Amira Abdelatey, Mohamed Elkawkagy, Ashraf Elsis and [Arabi Keshk](#), " Improving Matching Web Service Security Policy Based on Semantics", IJITCS1.

- 5- Dalia Tourky, Mohamed Elkawagy and [Arabi Keshk](#), " Homomorphic Encryption the "Holy Grail" of cryptography", submitted to ICCS 2016.
- 6- Alla Elsobky, Abdelalim K. Farag, and [Arabi Keshk](#) "Efficient Implementation of McEliece Cryptosystem on Graphic Processing Unit", Published in INFOS 2016.

## **2015**

- 7- Medhat A. Tawfik, Ashraf Elsis, [Arabi Keshk](#), and Fawzy Torkey," Cloud Task Scheduling Based on Ant Colony Optimization), Accepted for publication in International Arab Journal of Information Technology (IAJIT), Vol. 12, No.2, March 2015, pp.129-137.
- 8- S. E. Soliman and [A. E. Keshk](#), "Memetic Algorithm For Solving University Course Timetabling Problem," *International Journal of Mechanical Engineering and Information Technology*, vol. 03, p. 11, 2015.
- 9- Ibrahim A Elgendy, Mohamed El-kawagy, [Arabi Keshk](#) , "An Efficient Framework to Improve the Performance of Mobile Applications", Accepted for publication in IJDTA International Journal of Digital Content Technology and its Applications.

## **2014**

- 10- Ibrahim A. Elgendy, Mohamed El-kawagy, [Arabi Keshk](#), "Improving the Performance of Mobile Applications Using Cloud Computing", INFOS, 12, 2014.
- 11- M. Z. Rashad, [A. E. Keshk](#), M. A. El-Dosuky, and M. M. Kamal,' Genetic Cuckoo Optimization Algorithm (GCOA)", International Journal of Computer Applications (0975 – 8887) Volume 90 – No.3, pp. 7-12, March 2014
- 12- [Arabi E. keshk](#), " Enhanced Dynamic Algorithm of Genome Sequence Alignments", International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 2, Issue 6, pp. 221-226, November – December 2013, ISSN 2278-6856, <http://www.ijettcs.org/V2I6.html>
- 13- [Arabi E. Keshk](#), " Cloud Computing Online Scheduling", International organization of Scientific Research Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719, Vol. 3, Issue X4(3. 2014).

## **2013**

- 14- A.M.Lamey, [A. keshk](#), and H. Mousa,"Improvement The Performance of ERP Systems Using Intermediate Documents and Remote Function Call Technique", International Journal of Intelligent Computing and Information Science (IJICIS), Vol. 13, No. 2, pp. 277-293, April. 2013.
- 15- [ArabiKeshk](#) and AfafMousa, "Negotiation Strategy for Web Services", International Journal of Intelligent Computing and Information Science (IJICIS), Vol. 13, No. 4, pp. 83-93 , October. 2013
- 16- [Arabi E. keshk](#), " Enhanced Dynamic Algorithm of Genome Sequence Alignments", International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 2, Issue 6, pp. 221-226, November – December 2013, ISSN 2278-6856, <http://www.ijettcs.org/V2I6.html>.

## **2012**

- 17- Nader Mahmoud<sup>1</sup>, Stephane A. Nicolau, [Arabi Keshk](#) Mostafa A. Ahmad, Luc Soler, and Jacques Marescaux, "Fast 3D Structure From Motion With Missing Points from Registration of Partial Reconstruction", AMDO 2012, vil. 7378. pp. 173-183, Springer Berlin Heidelberg
- 18- 1-Amira AbdEl-atey, Sherif El-etriby and [Arabi S kishk](#). Article: Semantic Data Extraction from Infobox Wikipedia Template. International Journal of Computer Applications Volume 40 NO.17 Pages: 18-23, February 2012. Published by Foundation of Computer Science, New York, USA
- 19- Amira AbdEl-atey, Sherif El-etriby and [Arabi kishk](#). Article: Evaluation of a Traditional Search Engine against a Semantic Search Engine Using User Effort Measurements. The 2012 World Congress on Computer Science and Information Technology, WCSIT'12. Egypt

20- Hamada M. Zahera, Gamal F. El Haddy , [Arabi E. Keshk](#), " Optimizing Search Engine Result using an Intelligent Model ", International Journal of Computer Applications (0975 – 8887) Volume 50 – No.1, July 2012, USA.

## **2011**

21- Sara Shihab, [Arabi Keshk](#), Waiel Fathy, "Fast Dynamic Algorithm for Sequence Alignment Based on Bioinformatics Algorithms" IEEE International Conference on Intelligent Computing and Intelligent Systems (ICIS 2011) pp.228-232.

22- Amira AbdEl-atey, Sherif El-etriby and [Arabi kishk](#). Article: Constructing Semantic Web Form from Unstructured Web Page. International Journal of Computer Applications 30(10):34-41, September 2011.

23- Sara Shihab, [Arabi Keshk](#), Hani Mahgoub, "A New Implemented Pair-Wise Algorithm Based on Bioinformatics Algorithms", Submitted to International Journal of Intelligent Computing and Information Science

24- Afaf Mousa, [Arabi Keshk](#), and Waeil Fathy, " Negotiaition Strategy to Support QoS for Web services", WHybrid Strategy for Interest-Based Negotiation", submitted to The International Arab Journal of Information Technology.

## **2010**

25- Hany Mahgoub, [Arabi Keshk](#), Fawzy Torkey, and Nabil Ismail, "An Efficient Online System of Concept Based Association Rules Mining", IEEE-INFOS 2010, NLPKM pp.1-8.

26- Afaf Mousa, [Arabi Keshk](#), and Waeil Fathy, " Hybrid Strategy for Interest-Based Negotiation", The 2010 International Conference On Computer Engineering & Systems ICCES'2010 pp.27-30.

## **2009**

27- Mahmoud M. Khattab, [Arabi E. Keshk](#), and Nabil A. Ismail, "A Modified Generic Fourier Descriptor for Medical Image Retrieval", The International Arab Journal of Information Technology, IAJIT, Zarqa, Jordan. (sent in 1/1/2009 and accepted in 3/5/2009)

## **2008**

28- [A. E. Keshk](#) "Enhancement the Security of Java Smart Cards" International Journal of Intelligent Computing and Information Science Vol. 8, No. 2, pp. 250-264, July 2008.

29- [A. E. Keshk](#) and M. M. Khatab, "Medical Image Retrieval Systems Based on Shape Descriptor" International Journal of Intelligent Computing and Information Science Vol. 8, No. 2, pp. 277-293, July 2008.

30- [Arabi E. Keshk](#) and Hatem.M. Abdul-Kader, "Remote Secure e-Voting System Development Using Homomorphic Encryption Technique", International Journal of Intelligent Computing and Information Science Vol. 8, No. 2, pp. 31-45, July 2008.

## **2007**

31- [A. Keshk](#) and M. Z. Rashad, "Improving Application Security Using biometrics (Fingerprints)", International Journal of Intelligent Computing and Information Science, Vol. 7, no. 1, January 2007, pp. 31-47.

32- Test Cases Using Genetic Algorithms", International Conference on Digital Communications and Computer Applications DCCA07, Jordan, March 19-22, pp.43-49.

33- M. A. Abdel Salam, [A. E. Keshk](#), N. A. Ismael, and H.M. Nassar, "Automated Testing of Java Menu-Based GUIs Using XML Visual Editor", IEEE International Conference on Computer engineering & Systems ICCES'07, pp. 313-318.

34- F. A. Torkey, [Arabi Keshk](#), Taher Hamza, and Amal Ibrahim "A New Methodology for Web Testing", IEEE 2007 ITI 5<sup>th</sup> International Conference on Information and communications Technology, pp. 77-82.

- 35- M. Asem, [A. Keshk](#), N. Ismail, and H. Nassar “Specification-Driven automated Testing of Java swing GUIs Using XML”, IEEE 2007 ITI 5<sup>th</sup> International Conference on Information and communications Technology, pp. 83-87.
- 36- [Arabi Keshk](#) and Amel Ibrahim, “Ensuring the Quality Testing of Web Using a New Methodology”, The 7th IEEE International Symposium on Signal Processing and Information Technology - proceedings of ISSPIT 2007, pp. 1088-1093.
- 37- [Arabi Keshk](#),” Implementation of Distributed Application using RMI Java threads”, The 7th IEEE International Symposium on Signal Processing and Information Technology - proceedings of ISSPIT 2007,, pp. 1028-1033.
- 38- [A. E. Keshk](#), and H. M. Abdul-kader, “Development of Remotely Secure E-Voting System”, IEEE 2007 ITI 5<sup>th</sup> International Conference on Information and communications Technology, pp. 235-243.
- 39- [Arabi Keshk](#) “Software-based BIST for Analog to Digital Converters in SoC” IEEE 2nd International Design and Test Workshop - IDT’07 Proceedings, pp. 189-192,16-18 Dec. 2007.

## **2006**

- 40- [Arabi Keshk](#) and M. Z. Rashad, "Making Secure Electronic Elections Using Smart Cards" GESTS International Transaction on Computer Science and Engineering, vol. 35, No. 1, Dec. 2006, pp. 119-134
- 41- [Arabi Keshk](#) and M. Z. Rashad, "A secure On-line E-learning" The Egyptian International Conference For Online Teaching and Learning, May 2006, pp.97-88
- 42- M. Z. Rashad and [Arabi Keshk](#), "Analysis of heart waves-using wavelet", The Egyptian International Conference For Online Teaching and Learning, May 2006, pp. 205-213.

43-

## **2005**

- 44- [Arabi Keshk](#) and M. Z. Rashad, "A secure On-line E-learning" , Mansoura Journal for Computer & Information Sciences, Vol. 2, No. 2, July. 2005.
- 45- [Arabi Keshk](#) & Ahmed Omera, " Test Cases Generation Techniques using Genetic Algorithm" International Business for Market Information (IBIMA), Dec. 13-15, 2005.

## **2004**

- 46- [Arabi Keshk](#), "Flash Memory Testing for Realistic Fault Modeling", IEEE International Conference on Computer engineering & Systems ICEEC 2004, pp. 503 – 506.
- 47- [Arabi Keshk](#), Yukiya Miura, and Kozo Kinoshita, “Analysis of I<sub>DDQ</sub> Occurrence in Testing”, IEICE Trans. on Information and Systems, Vol.E84, No.4, April 2004, pp. 534-536.

## **2003**

- 48- [Arabi Keshk](#), Yukiya Miura, and Kozo Kinoshita, “Minimizing Intermediate Voltage and Oscillation of Bridging Faults in Testing CMOS Circuits”, Journal of Engineering and Applied Science, Cairo University, pp. 773-787, Aug. 2003.

## **2000**

- 49- Arabi Keshk, Yukiya Miura, and Kozo Kinoshita, “A unified Procedure to Overcome the Byzantine General’s Problem for Inter-gates and Intra-gate Bridging faults in CMOS Circuits,” Journal of Information Processing Society of Japan, Vol. 41, No. 4, pp. 935-943, Apr. 2000.

## **1995**

- 50- Farg Z. El Halafawi, Aly M. Hassan, Hamdy M. Kelash and Arabi El Saied, “Testing of Microprocessor-Based Digital Systems,” Electronics Engineering Bulletins, Menoufia University, Egypt, No. 9, Vol.1,1995, pp. 80-92

**Names of References:**

- 1- Prof. Fawzy Ali Torkey, Ex-Preisedent of Kafr Elshekh University, Egypt, torkey1951@yahoo.com
- 2- Prof. Dr. Nabil Abd El-Wahid Ismail, Previous Dean of Faculty of Computers and Information, Menoufiya University, nabil\_a\_ismail@yahoo.com
- 3- Prof. Dr. Mohiy hadhoud, Dean of Faculty of Computers and Information, Menoufiya University, mmhadhoud@yahoo.com
- 4- Prof. Dr. Yukiya Miura, Tokyo Metropolitan University, Japan, [miura@tmu.ac.jp](mailto:miura@tmu.ac.jp)