Curriculum Vitae

Omer K. Jasim

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- **Personal Info.**

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- **Personal Data**

Birthday: 5 Sept. 1985
Nationality: Iraq
Address: Al-Anbar- Haditha
Religion: Muslim
Language: Native (Arabic), Excellent (English)

- **Education**

(1) Ph.D. in Computer Sciences (October,2015)
    Topic: Cloud Computing Security based on Quantum Criteria
    Ain Shams University, Cairo, Egypt.
(2) M.Sc. in Computer Science (January, 2009)
    Topic: Network Security, Quantum Cryptography
    Al_Anbar University, Ramadi, Iraq.
(3) B.Sc. in Information Technology (March, 2007)
    Al_Anbar University, Ramadi, Iraq.

- **Research Interests**

Security: Network Security & Cryptography, Quantum Cryptography.

Intelligent Systems: Artificial Intelligence, Genetic Algorithms.

Theory: Computation Theory, Compiler, Discrete Mathematics, Parallel Algorithms.

Internet of Thing: Cloud Computing, Cloud Security.

- **Teaching Experience**

2009-2010: lecturer in Computer science, Alma'arif College University –Iraq.
2010-2012: Head of Computer Science at Alma'arif College University.
2012-2015: Ph.D. student in Ain Shams University – Egypt.
July 2016- Dec., 2016, Deputy Dean of Al-Maaref College

- Awards and Grants

- Top paper at the International Conference on Cloud Computing, Prince Nora University, KSA, 2015.

- Two Certificates from Minister of Higher Education and Scientific Research (2012).

- 1st Asst. Lecturer in Iraq (April, 2012) from Higher Education and Scientific Research.
- 3rd student award from the president of Al-Anbar University (2007).

- 1st student award from the Dean of Computer College- Al-Anbar University (2007).

- More than 40 Thankfuls from Dean of Al-Maaref College

- Technical Skills

- Over 3 years of experience in computer hardware/software maintenance,
- Experienced in Visual Basic and C++ programming languages.
- Experienced in VC# programming languages.
- Experienced in various domains, including educational and computer marketing.
- Platforms:
    1. Microsoft Dos.
    2. Microsoft Windows 9x, Me, XP and Windows vista.
    3. Some work with Linux , Xen server
    4. Certified from Microsoft Windows Server 2012-MCSA.
- Experienced in:
    1. Microsoft Visual Basic 1995 Programming Language.
    2. Microsoft C# Programming Language.
    3. C++ Programming Language.
    4. Microsoft Office 2003 and 2007, 2010 (Access, Excel, Power Point, and Word).

- International Conferences

1- **Omar Kareem Jasim**, Sufyan T. Faraj, **Reducing the Authentication Cost in Quantum Cryptography**, The 12th Annual Postgraduate Symposium on the Convergence of Telecommunications, Networking and Broadcasting, ISNB1-902560-25-0 © 2011 PGNet 2011, UK, pp. 45-55.

2- **Omer K. Jasim, The Integration between Quantum Key Distribution System and Network Security Concept,** 2nd International Conference on Information Systems and Technologies 2012 , ICIST'2012, Tunisia, pp. 123-134.

3- **Omer K. Jasim**, Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, " **Cloud Computing Cryptography: state-of-the-art**", International Conference on Wireless Communications and Mobile Computing, Italy, August 2013, pp. 463-468.

4- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **"A Comparative Study between Modern Encryption Algorithms based On Cloud Computing Environment"**, the 8th International Conference for Internet Technology and Secured Transactions (ICITST-2013), UK, Dec.,2013, pp.536-541.

5- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **"Statistical Analysis for Random Bits Generation on Quantum Key Distribution**", 3rd IEEE- Conference on Cyber Security, Cyber Warfare, and Digital Forensic (CyberSec2014)**,** ISBN: 978-1-4799-3905-3 ©2014 IEEE, Faculty of Engineering - Lebanese University, April 2014, pp. 45-52.

6- **Omer K. Jasim**, Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **Advanced encryption standard development based quantum key distribution**, 9th International Conference for Internet Technology and Secured Transactions (ICITST), 2014, PP 323-332.

7- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **Securing Cloud Computing Environment using a new Trend of Cryptography**, IEEE- International Conference on Cloud Computing ICCC15, KSA. 2015, pp. 212-223.

8- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **Quantum Key Distribution: Simulation and Characterizations**, International Conference on Communication, Management and Information Technology, Procedia Computer Science, Elsiever, 2015, pp. 331-337.

- **International Journals**

1- **Omer Abd Alkareem Jasim** and Anas Ayad Abdulrazzaq, **the Goals of Parity Bits in Quantum Key Distribution System.** International Journal of Computer Applications 56(18):5-9, October 2012.

2- **Omer AbdAlkareem Jasim** and Mohammed Bahjat Naim, **Building "e-management system based on waterfall model"**, International Arab Journal of Information and Technology (IAJIT), Vol. 4, no. 12, 2013, pp. 61-69.

3- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **"Efficiency of Modern Encryption Algorithms in Cloud Computing",** International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 2, Issue 6, 2013, pp. 270-275.

4- **Omer K. Jasim**, Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, "**ADVENT OF CLOUD COMPUTING TECHNOLOGIES IN HEALTH INFORMATICS**", International Journal "Information Theories and Applications", Vol. 21, Number 1, 2014, pp. 31-40.

5- **Omer K. Jasim**, Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, "**Cryptographic Cloud Computing Environment as a More Trusted Communication Environment",** International Journal of Grid and Higher Performance Computing (IJGHPC), Vol.6 , issue 2014. Pp 54-69.

6- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, "**A New Trend of Pseudo Random Number Generation Using QKD**", International Journal of Computer Applications (0975 – 8887), 96(3):13-17, June 2014.

7- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **Innovative Method for enhancing Key generation and management in the AES-algorithm**, International Journal of Computer Network and Information Security(IJCNIS), Vol. 7, Issue 4, DOI: 10.5815/ijcnis.2015.04.02, 2015, pp 32-41.

8- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **Evolution of an Emerging Symmetric Quantum Cryptographic Algorithm**, Journal of Information Security, Vol.6, No.2, 2015, pp. 72-85.

- ## Book Chapters

1- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem, **Cryptographic Cloud Computing Environment Based On Quantum Computations**, in part of book has title "Managing Big Data in Cloud Environment", IGI global publisher, 2015, pp. 443-461.

2- **Omer K. Jasim,** Safia Abbas, El-Sayed M. El-Horbaty and Abdel-Badeeh M. Salem,
Ciphering of Cloud Computing Environment Based New Intelligent Quantum Service, in part of book has title "Intelligent Computing Systems", Springer publisher, 2015,

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- ## Per-review and Editorial journal
- Security and Communication Networks, Impact Factor: 0.433,
  http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1939-0122
- International Journal of Information System and technology(IJIST)
  http://www.ijist.net/

- ## Referees
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