CURRICULUM-VITAE

PERSONAL – DETAILS

Name: **Al-Dahoud Ali** (**ALI** AS'AD AHMAD **AL-DAHOUD)**
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EDUCATION:
Ph.D. IN ENGINEERING SCIENCES, National Technical University of Ukraine 1996.
B. Sc ENGINEER OF ORGANIZATION (COMPUTER), BELGRADE, YUGOSLAVIA, 1986.
Tawjihi 79/80 Ramtha.
Thesis Title: **Dynamic Load Balancing in a Distributed System**.

FIELDS OF INTEREST:

Distributed Systems (Communication), Algorithms and E-Systems

PUBLESHED PAPERS:

Journals:
1) A Token Passing Algorithm for Dynamic Load Balancing in Distributed Systems, N. 912-yk 96 GNYB, Ukraine 8.4.1996**.**
"Алгоритмы эстафетной передачи для динамического выравнивания нагрузки распределенной системы // Деп. в ГНТБ Украины 08.04.96. № 912-Ук 96.

2) Ramtha: A manager algorithm for Dynamic Load balancing for Distributed Systems).
Ramtha: Управляющий алгоритм динамического выравнивания нагрузки распределенной системы // Деп. в ГНТБ Украины 08.04.96. № 911-Ук 96.

3) A New Load Balancer for Heterogeneous Distributed Systems,
مجلة كلية المأمون الجامعة، العدد الثاني 2000، بغداد، جمهورية العراق

4) A Simulation Tool for Testing ATM Resource allocation Strategies, Journal of Institute of Mathematics & Computer Sciences, Kolkata, India,12/2002.

5) A Scalable Load Balancing Strategy with an ATM Network Backbone, Tishreen University Journal for Studies and Scientific Research, Lattakia, Syria, 1/2003.

6) Simulation of the Distributed Database Performance in Real-Time Environment with Load Sharing, Damascus University, Journal for Engineering Sciences, Syria, "P220".
7) New Strategies for Scheduling Tasks in Field BusSystems", WSEAS Transactions on Communications Issue 12, Volume 4, December 2005.

8) An Advanced Approach for improving the Performance of CSMA/CD LANS, WSEAS Transactions on Communications, Issue 1, Volume 5, January 2006.

9) A Hybrid Heuristic Algorithm for Solving the P-Median Problem, Journal of Computer Science (Special Issue): 80-83, 2005, ISSN 1549-3636.

10) A New Model for Multi-agent Case-base Reasoning Systems, Journal of Computer Science (Special Issue): 96-98, 2005, ISSN 1549-3636.

11) Partitions Redistribution in Distributed Databases Based on Creative Evolutionary System Approach, WSEAS Transactions on Computers, Issue 5, Volume 5, ISSN 1109-2750, May 2006.

12. The MIT Beer Game As Multiagent Simulation: A Practical Approach Using AOR-Modeling And A XML-Based Implementation Framework, IJITST Journal, 2009
    Al-Dahoud Ali, Michal Wosko.

13. New approach to e-lecturing, IJITST journal, 2009
        Wojciech Zamojski, Tomasz Walkowiak, Robert Adamiec, Al-Dahoud Ali.

14. Fast Algorithms for Outlier Detection, JCS, Volume 4, number 2, pg:129-132, 2008:
 FAWAZ A. M. MASOUD, MOH'D BELAL AL- ZOUBI, IMAD SALAH, Al-Dahoud Ali

.

15.   A MODIFIED TECHNIQUE FOR LOW RMSE MULTIFOCUS IMAGE FUSION, UBICC; special Issue in Bioinformatics and Image Processing, July, 2009.
Dheeraj Agrawal, Dr Ali Al-Dahoud, Dr.J.Singhai

16. Modelling Access Control with Dynamic Role Binding, Book Chapter: Pages: 61-74, Computational Intelligence & Modern Heuristics, ISBN 978-953-7619-28-2, 2009
Al-Dahoud Ali and Dr.K.Chitra

17. Dependable e-learning systems, 2009, Book Chapter: "E-learning", ISBN 978-953-7619-23-7, intechweb.org

18. Load Balancing of Distributed Systems based on Multiple Ant Colonies Optimization, AJAS, American Journal of Applied Sciences, Al-Dahoud Ali, Mohamed A. Belal and Moh'd Belal Al- Zoubi

19. Modified Curvelet Thresholding Algorithm for Image Denoising, Journal of Computer Science JCS:
Al-Dahoud Ali, Preety D. Swami and J. Singhai

20. Application of Genetic Algorithm in Solving Linear Equation Systems, MASAUM Journal of Basic and Applied Science, p: 179-185 Vol.1, No.2 September 2009.
Al Dahoud Ali , Ibrahiem M. M. El Emary, and Mona M. Abd El-Kareem

21. Solving Min-Max Problems Using Genetic Algorithm, UNIVERSITY OF PITESTI – ELECTRONICS AND COMPUTERS SCIENCE, SCIENTIFIC BULLETIN, No. 9, Vol.2, 2009
Ibrahiem M. M. EL EMARY, Al Dahoud ALI, Mona M. Abd EL-KAREEM

22. Design of Randomization algorithms for the Sparse Travelling Salesman, UbiCC Journal - Volume 4 Number 5, publishing Date:
  12/26/2009, ISSN Online 1992-8424, ISSN Print 1994-4608
Dr. Fred Mtenzi, Dr. Ali Al-Dahoud

23. "New Outlier Detection Method Based on Fuzzy Clustering "WSEAS Transaction on Information, 2010
  Moh'd Belal Al-Zoubi, Ali Al-Dahoud, Abdelfatah A. Yahya

24. Implementation of a Tele-operating High Level Communication System to Control a Colony of Robots, WSEAS Transaction on Computers..
2010, Al-Dahoud Ali, Mohamed Fezari, Attoui Hamza

25. Personalising the Dynamic Information Resources in a Self Organized Web System Using Cas And Mas, ComSIS, 2010,
RATTROUT Amjad, ASSAF Rasha, AL-DAHOUD Ali
http://www.comsis.org/Articles.htm

Proceedings:

26) An Adaptive Source, Server-initiative Algorithm for Dynamic Load Balancing in Distributed System, #240-067,IASTD, International Conference on Networks, Orlando, Florida, USA, 8-10, January 96.

27) Dynamic Load Balancing with Token-Passing in a Distributed Systems, 1998 IEEE, International Conference on Systems, Man, and Cybernetics, USA, CAL, 11-14/10/98.

28) "الخوارزمية المدير" لعملية توزيع العبء الديناميكية على أجهزة الحاسوب الموزعة، الأسبوع التاسع والثلاثين للباحثين والعلماء، دمشق، سوريا، 6-11/11/1999.

29) A Robust Load Balancer for Heterogeneous Distributed Systems Type-a, #T149, 2000 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'2K, July 16-20,2000, Vancouver, British Colombia, Canada.

16- "استراتيجية تسيير ديناميكية في أنظمة الأتصالات غير المتزامنة"، اسبوع العلم الأربعين، المجلس الأعلى للعلوم، اللاذقية، سوريا، 4-9 /11/ 2000.

30) A Dynamic Cluster Constructor for Load Balancing in Big Heterogeneous Distributed Systems, #115, 2001 Symposium on Performance Evaluation of Computer and Telecommunication Systems, July 15-19,2001, Orlando, Florida, USA.

31) On the Connectivity Conditions in a Parallel Heterogeneous Systems, # 02-08-13, 2001 International Arab Conference on Information Technology (ACIT 2001), Jordan University of Science and Technology, Jordan, November 13-15, 2001.

32) A Scalable Load Balancing Strategy with an ATM network Backbone, First International Conference on Intelligent Computing and information Systems, Cairo, Egypt, June 24-26, 2002.

33) A Dynamic Rotating Load Balancing Strategy in Distributed Systems, International Conference on Soft Computing MENDEL 2003, Brno, Czech Republic, June 4-6, 2003.

34) Integrating Disjoint and Coherent Components with AOSD Based Framework, ICITNS 2003, Al-Zaytoonah University, 19-21/Octobar 2003, Jordan.

35) Dynamic Rotating Load Balancing Algorithm in Distributed Systems, ICITNS 2003, Al-Zaytoonah University, 19-21/Octobar 2003, Jordan.

36) Integrating Disjoint and Coherent Components with AOSD based Framework, ICITNS 2003, AL-Zaytoonah University, Jordan.

37) Dynamic Near Shortest Path (Dnsp) Routing Algorithm, Asmta'04 11th International Conference on Analytical and Stochastic Modeling Techniques and Applications, June 13th-16th, 2004, Magdeburg, Germany.

38) Data Redistributing in Distributed Computing Systems, ICENCO 2004, IEEE Egypt Section, 27-30/12/2004, Cairo, EGYPT.

39) A New Policy for Improving the Performance of the Slotted Persistent CSMA/CD Protocol, 5th WSEAS / IASME International Conference on Systems Theory and Scientific Computation, Malta, 15-17/9/2005.

40) New Strategies for Scheduling Tasks in Field Bus Systems, 9th WSEAS International Conference on COMMUNICATIONS, Athens, Greece, July 14-16, 2005.

41) A New Policy for Enhancing the Performance of LANs that Uses CSMA/CD Protocol, 5th WSEAS / IASME International Conference on SYSTEMS THEORY and SCIENTIFIC COMPUTATION, Malta, 17-19/9/2005.

42) Multiple Ant Colonies Optimization for Load Balancing in Distributed Systems, ICTA'7, April 12-14, 2007, Hammamet, Tunisia

43) A practical approach using AOR-modeling and a XML-based implementation framework, ICTTA08, Syria, April 7 - 11, 2008.

44) Traffic Flows Classification through Packet Detection for Security, 3rd International Conference for Internet Technology and Secured Transaction, June 23-28, 2008, Duplin, Ireland (www.icitst.org).

45) Dependability Aspect of e-Learning Systems, DepCos – RELCOMEX'08, Szklarska Poreba, Poland, 26-28.06.2008.
Al-Dahoud Ali, Tomasz Walkowiak, Marek Woda

46) Loss Packet and Error Concealment of VoIP over DSL Networks, International Conference on ICT and Accessibility (ICTA 09), 7-9 May 2009, Hammamet, Tunisia. Al-Dahoud Ali, Ibrahiem M. M. El Emary and Ala'a Al Zo'bi.

47) Applying Semantic Web & User Behavior Analysis to Enforce the Intrusion Detection System. ICITST-2009, UK: "http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5402616 Yi-Tung F. Chan1, Charles A. Shoniregun2, Galyna A. Akmayeva, Ali Al-Dahoud3

48) "Fuzzy Clustering-Based Approach for Outlier Detection", ACE'10, the 9th WSEAS International Conference on APPLICATIONS OF COMPUTER ENGINEERING, Penang. Malaysia, March 23-25, 2010 Moh'd Belal Al-Zoubi, Al-Dahoud Ali, Abdelfatah A. Yahya

49) "Implementation of a Tele-operating High Level Communication System to Control a Colony of Robots" ACE'10, the 9th WSEAS International Conference on APPLICATIONS OF COMPUTER ENGINEERING, Penang. Malaysia, March 23-25, 2010 Al-Dahoud Ali, Mohamed Fezari, Attoui Hamza

50) "A Transformation Approach of Mobile Activity Diagram Towards Nested Petri Net", ICIT11, Amman, Jordan, May 11-13, 2011. Guerrouf Faycal, Allaoua Chaoui, Al-Dahoud Ali

51) "The Prospects and Barriers of E-Commerce Implementation in Tanzania", ICIT11, Amman, Jordan, May 11-13, 2011. George S. Oreku, Fredrick J. Mtenzi, Al-Dahoud Ali

52) "Embedded Multiprocessors Vocal Command system, a way to Improve the Tele-Control of a didactic Manipulator Arm", ICIT11, Amman, Jordan, May 11-13, 2011. Mohamed Fezari, Hamza Atoui , Ali Al-Dahoud.

53) "The Jordanian eGovernment Initiatives within the Context of the Socio-technical Model ",ICIT11, Amman, Jordan, May 11-13, 2011. Al-Dahuod Ali, Rashid Jayousi, Luis Javier García Villalba and Cláudia Jacy Barenco Abbas.

54) "Smart Server Model for Weakly Connected Environments", DepCoS - RELCOMEX 2011, Poland, June 26- July 1, 2011. Ali Al-Dahoud, K. Chitra
55) An Overview of the Approaches for A PLM Application's Customization, XV International Scientific Conference on Industrial Systems (IS'11(Novi Sad, Serbia, September 14. – 16. 2011.

56) Investigating Issues in Wireless Technologies in Emerging Economies Focussing on Middle Eastern Countries, IEEE CCSIE 2011, http://ccsie.org/ Ali Alao Babatunde, Ali Al-Dahoud, Maaruf Ali, Oxford Brookes University

57) Video Fingerprinting Using AED of CGO Based Signatures, 2012 IEEE International Conference on Computer Science and Automation Engineering (CSAE 2012). Zhangjiajie, China; May 25-27, 2012. Ali Al-Dahoud, Rakesh Singhai, Pramendra Kumar, andJyoti Singhai

58- An Approach to the Specification of User Interface Templates for Business Applications, 5th Balkan Conference in Informatics (BCI) 2012, Sep 16, 2012, 09:00 AM TO Sep 20, 2012.

59- Developing Software Agents using Enterprise JavaBeans, 5th Balkan Conference in Informatics (BCI) 2012, Sep 16, 2012, 09:00 AM TO Sep 20, 2012.

BCI papers are finally indexed in DBLP:
http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/a/Al=Dahoud:Ali.html

60- Voice command system based on pipelining classifiers GMM-HMM,
, **IEEE CONFERENCE PUBLICATIONS,**
 International Conference on Information Technology and e-Services (ICITeS), 2012
 Fezari, M.; Boumaza, M.S.; Aldahoud, A

Books:
60- "Computer skills and Packages 2003",
''المهارات الحاسوبية الأساسية والبرمجيات الجاهزة، دار الشروق للنشر والتوزيع 2003''
61- Computational Intelligence & Modern Heuristics, IN-TECH, ISBN 978-953-7619-28-2, Hard cover, 348 pages, http://intechweb.org/, 2009, Austria.
Al-Dahoud Ali
62- Intelligent Communication System, ISBN 897-15-6-012759-0
www.ubicc.org, 2011, Canada.
Al-Dahoud Ali, Walid A. Salameh, Linda Smail.

63- **ADVANCES IN INFORMATION TECHNOLOGY** "From Artificial Reality to Virtual Reality", http://www.ubicc.org/news_detail.aspx?id=34
 ISBN-13: 978-1466396531, Edited By Al-Dahoud, Ali, UBICC Publisher, Canada, 2011.

64- **Frontiers in Information Technology Part I**, under Publication2012, http://www.masaumnet.com/ebooks.html

Proceedings:
-Editor of ICITNS proceedings 2003, ICIT proceedings 2005, 2007, 2009.
Other Activities:
 Project Coordination:
- **Project Coordinator of the Tailor-made Training 2007, sponsored by the Netherlands.**
- **Project Coordinator of the "On-Line Learning & Learning in an Integrated Virtual Environment" 2008, sponsored by the Netherlands.**
- **Mediterranean coordinator for MODELING A SECURE E-GOVERNMENT SYSTEM IN JORDAN Project, sponsored by Spanish Agency for International Development Cooperation.**

Keynote Speaker: Fourth International Conference on Intelligent Computing and Information Systems: Recent Trends in Bioinformatics**, http://icicis.edu.eg/view_title.aspx** , 19-22, March, 2009, **Ain Shams University Cairo, Egypt.**

Conference organization:

 - General Chair of (ICITST-2008), June 23–28, 2008, Dublin, Ireland (www.icitst.org)
 - General Chair, IEEE Conference on Communication, Science & Information Engineering CCSIE 2011, London, UK, http://www.ccsie.org/index.htm
 - International Chair: (ICITST-2010); the 5th International Conference for Internet Technology and Secured Transactions, November 8-11, 2010, London, UK, http://www.icitst.org/Program%20Committees.html
 - International Co-Chair, International Conference on Information Society (i-Society 2011), London, http://www.i-society.eu/Program%20Committees.html.
 - Program Chair of ICITNS 2003, ICIT 2005, 2007, 2009,2011
 - Program committee: DepCos 06,09,11, Poland. ICTA'07, Tunisia, MISC2012, Algeria
 - Technical committee of ACITs: 2001(Jordan), 2002(Algeria), 2003(Egypt), 2004(Qatar), 2005(Jordan).
 - National Organizing Committee, IMCL 2006, 19-21/4/2006, Jordan.
 - Session Organizer, WSEAS; ACOS'06, China.
 - International Program Committee IMCL 2009, April/2009 Jordan.
 - Publicity Committee: AICCSA 2009, May 10-13, Rabat, Morocco.
 - International Program Committee DepCos 09, Poland.

Journals Activities:
 - Editor in chief of the special issue of the Journal of Digital Information Management, Volume 3 Number 3 September 2005 155.
 - Editor in chief of the special issue of the Journal of Digital Information Management, Volume 3 Number 4, December 2005.
 - Reviewer in the International Arab Journal of Information Technology, IAJIT.
 - Editorial Board of the Journal of Computer Science (Special Issue): 96-98, 2005, ISSN 1549-3636.
 - Editor in chief of the special issue of the Journal of Computer Science 12/2006, www.scipub.org/ **special issue, USA**.
 - Guest Editor in the Int. J. Internet Technology and Secured Transactions, 2008, GB,
 http://www.inderscience.com/browse/index.php?journalID=190&year=2009&vol=1&issue=3/4
 - Guest Editor UBICC Web and Agent System, 2009.
 - Guest Editor UBICC Applied Computing, 2009.
http://www.scribd.com/doc/24121857/Special-Issue-on-ICIT-2009-Conference-%E2%80%93-Applied-Computing-UbiCC-Journal-UbiCC-Journal-www-ubicc-org-Ubiquitous-Computing-and-Communication-Journ
 - Guest Editor UBICC Bioinformatics and Image Processing, 2009.
 - Guest Editor UBICC, 2011, http://www.ubicc.org/journal_detail.aspx?id=51

Committees:

- Vice President of the IT committee in the ministry of youth/Jordan, 2005, 2006.
- Scientific and conference committee of IT Faculty/Al-Zaytoonah University.

TEACHING:

1-   Undergraduate Courses:
Introduction to computer, Logic Design, Computer Organization & Assembly Language programming, System Programming, Operating Systems, Design of Programming Languages, Distributed systems

2-   Supervising/ External Examiner Master and PhD Degree in:
-Damascus University, Syria
-AL eL-Bayt University, Jordan.
-El-Naleen University, Sudan
- National Institute of Technology, India
- Tashreen University, Syria
- Jordan University, Jordan