Staff Member
General Information

Computer Science	**Department**	Adil Yousif	**Name**
Sudanese	**Nationality**	Associate Professor	**Staff position**
ayalfaki@nu.edu.sa	**Email**	1239869	**Phone**
Distributed Systems & Algorithms	**Area of Specialization**	Computer Science	**Specialization**

Education History

Note	Study Theme	University	Country	Date	Certificate
	Research	University of Technology in Malaysia(UTM)	Malaysia	2013	PhD
	Courses & Research	University of Khartoum	Sudan	2007	M.Sc.
	Courses	University of Khartoum	Sudan	2003	B.Sc.

Academic Titles

Note	Study Theme	University	Country	Date	Title
	Contract	Najran University	Saudi Arabia	2018	**Associate Professor**
	Research Promotion	University of Science & Technology	Sudan	2017	**Associate Professor**
	PhD Obtained	University of Science & Technology	Sudan	2013	**Assistant Professor**
	M.Sc. Obtained	Kassala University	Sudan	2007	**Lecturer**

Teaching Courses

Note	Teaching Year	Course Name
	2018	Network & Data Communication
	2018	Topics in Computer Science
	2018	Computer Orgnization & Assembly Languages
	2018	Information Security
	2017	Ethical Hacking
	2017	Degital Forensics
	2016	Cloud Computing
	2016	Wireless & Mobile Networks

:Publication at the University

International Refereed Journals

1. Adil Yousif and Awad Ali, The impact of intervention strategies and prevention measurements for controlling COVID-19 outbreak in Saudi Arabia [J], Math Biosci Eng, 17 (2020), 8123-8137.

2. Zain, A. M. and **Adil Yousif** (2020). **"Chemical reaction optimization (CRO) for cloud job scheduling."** SN Applied Sciences 2(1): 53. Springer. **(Indexed in (ISI).**

3. Mohammed Elobied Hassan and **Adil Yousif** (2020) **"Cloud Job Scheduling with Ions Motion Optimization Algorithm"** Engineering, Technology & Applied Science Research. Vol. 10, No. 2, 5459-5465. **(Indexed in (ISI).**

4. Fatima Alzahra Motasim and **Adil Yousif** (2020) **"Analytic Hierarchy Process (AHP) Framework for Ranking Cloud Databases"** Journal of Theoretical and Applied Information Technology. (**Indexed in Scopus).**

International Conferences and Seminars

1. Suliman, Y. M., **Adil Yousif** and M. B. Bashir (2019). **Shark Smell Optimization (SSO) Algorithm for Cloud Jobs Scheduling.** International Conference on Computing, Springer. **(Indexed in ISI and Scopus).**

2. Bashir, M. B., **Adil Yousif** and M. S. A. Latiff (2019). "**Real Time Search Technique for Distributed Massive Data Using Grid Computing"**. International Conference on Computing, Springer. **(Indexed in ISI and Scopus).**

3. S. A. Mohamed and **Adil Yousif**, "Bridging the Gap between Service Oriented Architecture and Cloud Software as a Service," in 2019 International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE), 2019, pp. 1-

6**(Indexed in ISI and Scopus).**

4. A. S. Awad, **Adil Yousif**, and G. Kadoda, "**Enhanced Model for Cloud Data Security based on Searchable Encryption and Hybrid Fragmentation**," in 2019 International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE), 2019, pp. 1-4. **(Indexed in ISI and Scopus).**

: Publication outside the University

Book Chapters

1. **Adil Yousif**, Sulaiman Mohd Nor, Abdul Hanan Abdullah and Muhammed Bakri Bashir (2014). "**A Discrete Firefly Algorithm for Scheduling Jobs on Computational Grid**". Cuckoo Search and Firefly Algorithm. Springer.

International Refereed Journals:

1. Bashir, M. B., M. S. B. A. Latiff, **Adil Yousif**.. "**A survey of grid-based searching techniques for large scale distributed data.**" Journal of Network and Computer Applications (2016). 60: 170-179. **Impact Factor: 2.331 Indexed in Thomson Reuters (ISI). Elsevier Journal.**

2. Elmubarak, S. A., **Adil Yousif** and M. B. Bashir (2017). **"Performance based ranking model for cloud SaaS services."** International Journal of Information Technology and Computer Science 9(1): 65-71.

3. M. Bashir, M. Abd Latiff, A. Ahmed, **Adil Yousif**, and M. Eltayeeb, "**Content-based Information Retrieval Techniques Based on Grid Computing: A Review**," IETE Technical Review, (2014). vol. 30, p. 223, Published Online Sep 2014. **Impact Factor: 1.304 (Indexed in ISI and Scopus).**

4. Bashir, M. Abd Latiff, A. Ahmed, **Adil Yousif.** "**Grid-based architecture for sharing distributed massive datasets.**" International Journal of Communication Networks and Distributed Systems (2015). 15(2-3): 248-264. **(Indexed in ISI and Scopus).**

5. **Adil Yousif**, Sulaiman Mohd Nor, Abdul Hanan Abdullah and Muhammed Bakri Bashir "**A Discrete Firefly Algorithm for Scheduling Jobs on Computational Grid**". Cuckoo Search and Firefly Algorithm. Springer(2014). **(Indexed in Scopus)**

6. Adil.A.A. Saed, Wan Mohd Wan Nasir Khadir, Hentabli Hamza, **Adil Yousif**(2012). "**An Automated Support For Evaluating Alternative Design Decisions**". Journal of Theoretical and Applied Information Technology. 36 (2):234-246. **(Indexed in Scopus)**

7. Demyana Izzat Esa and **Adil Yousif**, (2016). "**Scheduling Jobs on Cloud Computing using Firefly Algorithm.**" International Journal of Grid and Distributed Computing 9(7): 149-158. **(Indexed in ISI and Scopus).**

8 . Wala AbdElrouf, **Adil Yousif**, and M. B. Bashir, "**High Exploitation Genetic Algorithm for Job Scheduling on Grid Computing**," International Journal of Grid and Distributed Computing, vol. 9, pp. 221-228, 2016. **(Indexed in ISI and Scopus).**

9. Sara Alfatih Adam, **Adil Yousif** and M. B. Bashir, (2016). " **Multilevel Authentication Scheme for Cloud Computing**". International Journal of Grid and Distributed Computing Vol.9, No.9. **(Indexed in ISI and Scopus).**

10. Dolagi Izzat Esa and **Adil Yousif**, (2016). " **Glowworm Swarm Optimization (GSO) for

Cloud Jobs Scheduling ." International Journal of Advanced Science and Technology Vol 94.

11. **Adil Yousif**, S. M. Nor, A. H. Abdualla, and M. B. Bashir, "**Job Scheduling Algorithms on Grid Computing: State-of-the Art**," International Journal of Grid and Distributed Computing, vol. 8, pp. 125-140, 2015.

12. Alzubir, A., Abubakar, K., **Adil Yousif** & ABUOBIEDA, A. 2012. **State of the art, channel assignment multi-radio multi-channel in wireless mesh network**. International Journal of Computer Applications, 37, 14-20.

13. **Adil Yousif**, Abdul Hanan Abdullah, Sulaiman Mohd Nor and Adil A.Abdelaziz. (2011). "**Scheduling Jobs On Grid Computing Using Firefly Algorithm**." Journal of Theoretical and Applied Information Technology 33(2): 155-164 . **(Indexed in Scopus (Elsevier))**

14. **Adil Yousif**, Abdul Hanan Abdullah, Muhammad Shafie Abd Latiff and Mohammed Bakri Bashir. (2011). "**A Taxonomy of Grid Resource Selection Mechanisms**." International Journal of Grid and Distributed Computing 4(3): 107-118. **(Indexed in ISI).**

15. **Adil Yousif**, Abdul Hanan Abdullah and Aboamama Atahar Ahmed. (2011). "**A Bidding-based Grid Resource Selection Algorithm Using Single Reservation Mechanism**." International Journal of Computer Applications 16(4): 39--43.

16. Mohammed Bakri Bashir, Muhammad Shafie Bin Abd Latiff, Aboamama Atahar Ahmed, Yahaya Coulibaly , Abdul Hanan Abdullah and **Adil Yousif**. (2011). "**A Hybrid Resource Discovery Model for Grid Computing**." International Journal of Grid Computing & Applications 2(3): 1-12.

17. Adil .A. Aziz, Wan M.N. Wan Kadir and **Adil Yousif.** (2012). "**An Architecture-based Approach to Support Alternative Design Decision in Component-Based System: A Case Study from Information System Domain**". International Journal of Advanced Science and Technology 38(1):1-14.

International and National Conferences

1. Elkariem, A. F. A., M. B. Bashir, T. H. Ahmed and Adil Yousif (2017). Distributed medical image retrieval techniques: A review. 2017 Sudan Conference on Computer Science and Information Technology (SCCSIT), IEEE. **(Indexed in ISI and Scopus).**

2. Fatima Elamin Elagbash and **Adil Yousif**. "**Evaluation of Job Scheduling Algorithms on Cloud Computing**". The fourth International Conference on Computer Science and Information Technology. Gdarif , Sudan.

3. Mohammed Bakri Bashir, Muhammad Shafie A. Latiff, **Adil Yousif** "**An efficient and secured Grid-enabler interface for large-scale systems**". The International Conference on Cloud Computing ICCC (2015), Riyadh, Saudi Arabia**. (Indexed in ISI and Scopus).**

4. Mohammed Farouk, **Adil Yousif**, Mohammed Bakri Bashir "**A Cloud based Framework for Platform as a Service**". The International Conference on Cloud Computing ICCC (2015), Riyadh, Saudi Arabia**. (Indexed in ISI and Scopus).**

5. **Adil Yousif** (2014) "**An Educational Reform Model for Sudanese Universities: From Instructor to Facilitator**" . Workshop on Knowledge and Innovation: Technology, Pedagogy and Culture. Khartoum. Sudan.

6. **Adil Yousif**, Abdul Hanan Abdullah, Sulaiman Mohd Nor and Muhammed Bakri Bashir(2012). "**Optimizaing Job scheduling on computational Grid Using Firefly Algorithm**". The

Third IEEE Conference on Sustainable Utilization and Development in Engineering and Technology (IEEE STUDENT 2012), kuala lumpur, Malaysia**. (Indexed in ISI and Scopus).**

7. Adil Abdel Aziz, Wan M. N. Wan Kadir and **Adil Yousif** "**A Prediction Approach to Support Alternative Design Decision for Component-Based System**" . In the 11th WSEAS International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS '12), 2012, pp. 85-91. Cambridge, UK. **Scopus (Elsevier)).**

8. **Adil Yousif**, Abdul Hanan Abdullah, Sulaiman Mohd Nor and Adil Ali(2012). "**Intelligent Task Scheduling for Computational Grid**". First Taibah University International Conference on Computing and Information Technology. Al-Madinah Al-Munawwarah, Saudi Arabia. 670-674. **Scopus (Elsevier)).**

9. Adil Abdel Aziz, Wan M. N. Wan Kadir and **Adil Yousif**. (2012). "**Architecture-Based Approach to Support the Evaluation of Alternative Design Decisions**". First Taibah University International Conference on Computing and Information Technology. Al-Madinah Al-Munawwarah, Saudi Arabia. **Scopus (Elsevier)).**

10. **Adil Yousif**, Abdul Hanan Abdullah, Muhammad Shafie Abd Latiff and Mohammed Bakri Bashir. (2011). (2011). **Enhanced grid resource selection mechanism**. International Conference on Software and Database Technologies,(1) 226-229, Seville, Spain. **(Indexed in ISI and Scopus).**

11. **Adil Yousif**, Abdul Hanan Abdullah and Mohammed Bakri Bashir. (2011). **Evolution and new Architecture for Bidding based Grid Resource Selection**. National Postgraduate Conference , IEEE. Perak, Malaysia. **(Indexed in Scopus).**

:**Administrative Tasks**

: **Administrative Positions**

2020- Now

Programme Coordinator – Computer Science Department- Najran University- Saudi Arabia

Sep 2014 – August 2018

Head of Postgraduates Programme - Faculty of Computer Science and Information Technology –University of Science & Technology – Sudan

June 2008 – Dec 2009

Acting Dean –Faculty of Computer Science and Information Technology –University of Kassala – Sudan.

Sep 2007 – Dec 2009

Head of Computer Science Department –Faculty of Computer

Activities related to the quality of higher education

1. Workshop on Knowledge and Innovation: Technology, Pedagogy and Culture. Khartoum. Sudan- 2015.

2. Workshop on Academic Freedom – Garden City College for Science & Technology and Tiba Press – June 2013.

3. Workshop on Managing and Writing your Literature Review – Faculty of Computing – Universiti Teknologi Malaysia UTM – Malaysia – 1st Feb 2013

4. Workshop on CUDA for GPU programming– Soft Computing Research Group, UTM and NVIDA Corporation 11th-12th Dec 2012

5. Workshop on Plagiarism, Writing and Presenting Findings – Faculty of Management and Human Resource Development - Universiti Teknologi Malaysia UTM – Malaysia – 1st Dec 2012

6. Workshop on NS-2 Simulator for Beginners – Faculty of Computing – Universiti Teknologi Malaysia UTM – Malaysia – 24th-25th Nov 2012.

7. Workshop on Proposal Writing for Postgraduates – Language Academy – Universiti Teknologi Malaysia UTM – Malaysia – 8 Oct 2011

Participation in workshops (Trainer / Intern)

1. Training Workshop on Research Tools and Presentation Skills – ISS-SSA – Universiti Teknologi Malaysia UTM – Malaysia – 6 to 20 June 2011

2. Workshop on Introduction to Writing for Publication for Postgraduates – Language Academy – Universiti Teknologi Malaysia UTM – Malaysia – 22 Jan 2011

3. Research Methodology Workshop – Faculty of Computer Science & Information System – Universiti Teknologi Malaysia UTM – Malaysia – 21 to 22 June 2010

4. Latex Short Course – ISS-SSA – Universiti Teknologi Malaysia UTM – Malaysia – 22 to 23 May 2010

5. Academic Supervision and the Art of Designing Assignments.   – Open University of Sudan- Human Resources Development Centre – 13 to 15 Feb 2009.

6. Linux Essentials Course – Linux Learning Centre- India –1 to 7 Oct 2008

7. Linux System Administration Course – Linux Learning Centre- India –8 to 14 Oct 2008

8. Bash Shell Scripting Essentials Course – Linux Learning Centre- India –15 to 17 Oct 2008

) Training (Trainer / Intern

1. Fedora Directory Services and Authentication Course – Linux Learning Centre- India –18 to 26 Oct 2008
2. Linux Network and Security Administration Course – Linux Learning Centre- India – 4 to 11 Nov 2008
3. Linux Advanced Administration Course – Linux Learning Centre- India – 12 to 14 Nov 2008
4. Linux System & Network Monitoring Tools Course – Linux Learning Centre- India – 15 to 18 Nov 2008
5. Qmail Server Administration Course – Linux Learning Centre- India – 19 to 21 Nov 2008
6. Linux Firewall Solution Course – Linux Learning Centre- India – 22 to 24 Nov 2008
7. Promotion and Development of Performance to upgrade Teaching, research and Administrative skills Course –University of Kassala – Faculty of Education- 28 Jan to 18 Feb 2008.
8. Introduction to Linux Course – University of Khartoum – Faculty of Mathematical Sciences – 7 April to 2 May 2007

   Computer Maintenance Course – School for Computer Science- Sudan – June 2000 to January 2001

: Languages

English

Arabic

Books

Book Chapters

1. **Adil Yousif**, Sulaiman Mohd Nor, Abdul Hanan Abdullah and Muhammed Bakri Bashir (2014). "**A Discrete Firefly Algorithm for Scheduling Jobs on Computational Grid**". Cuckoo Search and Firefly Algorithm. Springer.