PERSONAL INFORMATION

ANAS "MOHAMMAD RAMADAN" AHMAD ALSOBEH

📍 Associate Professor
Director of the Refugees, Displaced Persons, and Forced Migration Studies Centre
Department of Information Systems
Faculty of Information Technology and Computer Science
Yarmouk University, Irbid 21163, Jordan

📱 Phone: +962 2 7211111 Ext.4701
Mobile: (+962) 791544310

✉ anas.alsobeh@yu.edu.jo or aalsobeh@aggiemail.usu.edu
🌐 https://faculty.yu.edu.jo/anas.alsobeh/SitePages/Home.aspx
🌐 https://github.com/aalsobeh

💬 Skype anas.alsobeh_1 | Google Hangout anas.alsobeh@yu.edu.jo

Gender: Male | Date of Birth: 23/04/1985 | Nationality: Jordanian

RESEARCH INTERESTS

Software & Data Design and Modeling; Aspect-Oriented Programming; Web Engineering; Web Security; Distributed Systems; Mobile and Cloud Computing; Simulation; and Data Integration Systems, Web-based Intelligent Systems, AI-based System, and Data Analysis and Modeling.

In addition, I am working on Web-based Social Content Analysis (Integration, refugees, radicalization, digital democracy, deradicalization, governance, etc.).

TEACHING INTERESTS

Web Design, Internet Application Development, Programming Languages, Client/Server Programming, Software Engineering, Software Modeling and Design, Database Management Systems, Social Analytic Data, Web Security, Software Design and Modeling and News website development (For Journalism Students).

EDUCATION

[Jan 2011– Dec 2015]

Doctorate Degree [PhD], Utah State University, Logan, USA
Computer Science, GPA: 3.94 (95.5 Excellent)
Dissertation Title: Improving Reuse of Distributed Transaction Software with Transaction-Aware Aspects
Mentor: Stephen Clyde (Stev)

[Aug 2007–Jan 2010]

Master Degree [M.Sc], Yarmouk University, Irbid, Jordan
Computer Information Systems. GPA: 88.2 (Excellent)

[Sep 2003– Jan 2007]	Bachelor Degree [B.Sc], Yarmouk University, Irbid, Jordan
	Computer Information Systems, GPA: 86.2 (Excellent)

ACADEMIC EXPERIENCE

[April 2020- Present]	Associate Professor, Information Systems, Yarmouk University, Irbid, Jordan.
[Jan 2016–April 2020]	Assistant Professor, Computer Information Systems, Yarmouk University, Irbid, Jordan.
[Oct 2017]	Research Visitor, Department of Informatics, Aristotle University of Thessaloniki, Greece.
[Jan 2011– Dec 2015]	Graduate Teaching and Research Assistant, Computer Science, Utah State University, 2400 Old Main Hill, 84341 Logan, USA.
[Jan 2010– Dec 2011]	Full Time Lecturer, Computer Information Systems, Yarmouk University, Irbid, Jordan.
[May 2007– Jan 2010]	Full-Time Teacher, Ministry of Education, Elementary and Secondary School Bayt-Yafa for Children, Irbid, Jordan.

APPOINTMENTS

[30 Sept 2019 – Present]	**Director of the Refugees, Displaced Persons, and Forced Migration Studies Centre**, Yarmouk University, Irbid Jordan.

PROFESSIONAL SERVICE ACTIVITIES

[2020- Present]	Advisory Board for the Project and International Relations
[2019- Present]	Sustainability Development Committee, Development of Technical and Financial Solutions at Yarmouk University, *Member*.
[2017-2019]	Advisory Board of Academic Entrepreneurship Center of Excellence, Yarmouk University, *Member*.
[2017- Present]	Oracle Academy Committee, Faculty of Information Technology and Computer Science, *Chair*.
[2016- 2017]	Advisory Board, Refugees, Displaced Persons, and Forced Migration Studies Center, *Member.*
[2014]	Organizing Committee, SIGMOD'14 Conference. *Member.*
[2017 - Present]	Academic Reviewer, Several Conferences and Journal (Scopus and ISI), *Reviewer.*

[20/8/2019 - Present]	International Association of Scientific Researcher A scientific endowment of public benefit, *Member*.

PUBLISHED JOURNALS AND CONFERENCES PAPER

Conference Papers

- Barhoush, M. M., **AlSobeh, A. M.**, & Al Rawashdeh, A. (2019, April). A Survey on Parallel Join Algorithms Using MapReduce on Hadoop. *In 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)*. IEEE. (IEEE conference). *(pp. 381-388)* Amman, Jordan, April 2019. DOI: 10.1109/JEEIT.2019.8717427

- **Anas M. R. AlSobeh**, Aws A. Magableh, (2018). An Aspect-Oriented with BIP Components for Better Crosscutting Concerns Modernization In IoT Applications. *5th International Conference on Computer Science and Engineering (CSEN-2018)* Nov 25 ~ 26, 2018, Dubai, UAE, pp 21-31 At: Dubai DOI: 10.5121/csit.2018.81203. ISBN: 978-1-921987-90-8.

- Aws A. Magableh, **Anas M. R. AlSobeh**, (2018). Aspect-Oriented Software Security Development Life Cycle (AOSSDLC). *5th International Conference on Computer Science and Engineering (CSEN-2018)* , Nov 25 ~ 26, 2018, Dubai, UAE, pp33-47 At: Dubai DOI: 10.5121/csit.2018.81204. ISBN: 978-1-921987-90-8.

- **Anas M. R. AlSobeh**, Stephen W. Clyde, (2016). Transaction-Aware Aspects with TransJ: Initial Experiment Show Promising Improvements in Reusability of Distributed Transactions. *The Eleventh International Conference on Software Engineering Advances (ICSEA 2016)*. pp.59. Italy, Rome, July 2016. (Conference, International Academy, Research, and Industry Association (IARIA))

- **Anas M. R. AlSobeh**, Stephen W. Clyde, Unified Conceptual Model for Joinpoints in Distributed Transactions, (2014). *The Ninth International Conference on Software Engineering Advances, ICSEA'14*. Vol. 14, pp. 8-15. France, Nice, October 2014. ISBN: 978-1-61208-367-4. (Conference, International Academy, Research, and Industry Association (IARIA))

Journal Papers

- **Anas M.R. AlSobeh**, Ahlam Aloudat, The Repercussions of the COVID-19 Pandemic on higher education and its implications for Syrian refugees Students (an analytical descriptive study), [2021]. Dirasat: Human and Social Sciences. Accepted.

- Amin Jarrah, Abedalmuhdi Almomany, **Anas MR AlSobeh** and Eman Alqudah, [2021]. High-Performance Implementation of Wideband Coherent Signal-Subspace (CSS) based DOA Algorithm on FPGA. *Journal of Circuits, Systems, and Computers.* World Scientific Publishing Company. ISI. (Accepted).

- **AlSobeh, A. M.,** AlShattnawi, S., Jarrah, A., & Hammad, M. M. (2020). Weavesim: A Scalable and Reusable Cloud Simulation

Framework Leveraging Aspect-Oriented Programming. *Jordanian Journal of Computers and Information Technology (JJCIT)*, 6(02).

- Aws A. Magableh, **Anas M. R. Alsobeh**, Ahmad F. Klaib, (2019). An Evaluation of the Usage of Aspect Orientation and the Gap Between Academic Research and Industry Needs. *Journal of Theoretical and Applied Information Technology*. ID: 39546-JATIT Scopus. (Little Lion Scientific, Scopus).

- Sawsan Alshattnawi, Iyad Abu Doush , **Anas Alsobeh**, (2019). Online Mobile-Based Personal Tour Application Using Artificial Bee Colony Optimization Algorithm. *Journal of Theoretical and Applied Information Technology*. Scopus.

- Malek M. Barhoush, Najib A. Kofahi, Khalid M.O. Nahar, **Anas M.R. Alsobeh**, Ameera Jaradat, Bayan Alomari, (2019). Performance Enhancement of the Advanced Encryption Standard Via Pipelined Implementation. *Journal of Theoretical and Applied Information Technology*. 15th August 2019. Vol.97. No 15, pp. 4213-4226.

- **Anas M.R. AlSobeh**; Rafat Hammad; Abdel-Karim Al-Tamimi, (2019). A Modular Cloud-based Ontology Framework for Context-aware EHR Services. *International Journal of Computer Applications in Technology*, 2019 Vol.60 No.4, pp.339 – 350. DOI: 10.1504/IJCAT.2019.101181. (Inderscience, Scopus).

- **Anas M.R. AlSobeh**; Ahmad F. Klaib; Ahlam AlYahya, (2019). A National Framework for E-health Data Collection in Jordan with Current Practices. *International Journal of Computer Applications in Technology (IJCAT)*, 2019 Vol.59 No.1, pp.64 – 73. https://doi.org/10.1504/IJCAT.2019.097118 (Inderscience, Scopus).

- **Anas M.R. Alsobeh**, Aws Abed Al Raheem Magableh, Emad M. AlSukhni, (2018). Runtime Reusable Weaving Model for Cloud Services Using Aspect-Oriented Programming: The Security-Related Aspect. *International Journal of Web Services Research,* Volume 15 Issue 1, January 2018, Pages 71-88, IGI Publishing Hershey, PA, USA. DOI: 10.4018/IJWSR.2018010104. (IGI-Global, Thomson Reuters-ISI, Impact: 0.667).

- **Anas M. R. AlSobeh**, and Aws A. Magableh, (2018). Architectural Aspect-Aware Design for IoT Applications: Conceptual Proposal. *International Journal of Computer Science & Information Technology (IJCSIT)* Vol 10, No 6, pp. 1-8, December 2018.

- Aws A. Magableh, **and Anas M. R. AlSobeh,** (2018). Securing Software Development Stages Using Aspect-Orientation Concepts. *International Journal of Software Engineering & Applications (IJSEA)*, Vol.9, No.6, pp. 57-71, November 2018. (Scientific Research Publishing)

- **Anas M. R. AlSobeh**, Stephen W. Clyde, (2016). TransJ: An Abstract Independent-Framework for Weaving Crosscutting Concern into Distributed Transactions. *Journal of Computer Technology and Application (计算机技术与应用: 英文版,*. Issue 4 Vol.7 April 2016, pages 173-195, doi: 10.17265/1934-7332/2016.04.001.

- Al-Kabi, M., Wahbeh, A., **Alsobeh, A**., Ale'roud, A., & Alsmadi, I. (2012). Examining web search trends across Arab countries. *Arabian Journal for Science and Engineering, 37*(6), 1585-1593. (Springer, Thomson Reuters (ISI), Scopus)

- **AlSobh, A.,** Al Oroud, A., Al-Kabi, M. N., & AlSmadi, I. (2010). A multilingual and location evaluation of search engines for websites and searched for keywords. *Brazilian Journal of Information Science: research trends*, 4(1).

Ongoing Research

- **Anas AlSobeh**, Alhan Jamil.[2021]. Towards Practical Runtime Monitoring Approach for Aspect-Oriented Programs Using Model Checking. *Submitted to International Journal of Computer Applications in Technology (IJCAT). (Scoups)*

- Amin Jarrah, Ali Albataineh, Eman Alqudah, **Anas Alsobeh** and Abedalmuhdi Almomany, "High-Performance Implementation of Ant Colony Algorithm for Traveling Salesman Problem using VIVADO HLS Platform," *Submitted to Modelling and Simulation in Engineering. (ISI)*

- Sawsan Alshattnawi, **Anas M.R. AlSobeh. [2021]**. A Cloud-Based IoT Smart Water Distribution Framework Utilizing BIP Component: Jordan As A Model. *Submitted to International Journal of Cloud Computing. Inderscience Enterprises Ltd. (Scoups)*

THESIS/DISSERTATION /PROJECT SUPERVISION

Theses

- Abeer Algazo, MS Student at Yarmouk University, **Main Advisor**. Thesis title: *A secure EHR Framework based on Microservices and Blockchain Technologies utilizing the Fluree Data Platform* .

- Alhan Jamil, MS Student at Yarmouk University, **Main Advisor**. Thesis title: *Towards Practical Runtime Monitoring Approach for Aspect-Oriented Programs Using Model Checking.*

- Abdel Rahman Alasmar, MS Student at Yarmouk University, **Main Advisor**. Thesis title: *A Hybrid Reasoning Framework to Identifying Cross-Cutting Concerns Using Aspect-Oriented Techniques.*

Projects

- Ahlam Al-Yahya, MS Student at Yarmouk University, **Main Advisor**. Project title: *Cancer and Diabetes Data Analysis in Jordan using a Clustering Algorithm.*

- Shorooq B. Alazzam, MS Student at Yarmouk University, **Main Advisor**. Project title: *Preventing SQL Injection and XSS Attacks using Machine Learning.*

SELECTED SENIOR PROJECTS

SUPERVISED

[2019]	▪ Yarmouk Online Academy, Web Application, First Semester 2019.
[2018]	▪ Smart Traffic System, IoT-based Management System, First semester 2018.
	▪ E-Election Student Application, Web-based Application, First Semester 2018.
[2017]	▪ Ezra Bethra, Charity Web Application System, Second Semester 2017.
	▪ Mr. Dentist, Scheduling System, Mobile Application, Second Semester 2017.
	▪ Automatic Barriers System, IoT Application, Second Semester 2017

FUNDED RESEARCH/ PROJECTS

[2021 - 2023]	▪ JUICEE – Developing Jordanian Universities' Innovation Capacities and Entrepreneurship Education, *DAAD: Deutscher Akademischer Austauschdienst German Academic Exchange Service,* **Budget**: € *225,150.00* Euro.
[2020 - 2023]	▪ De-Radicalisation in Europe and Beyond: Detect, Resolve, Re-integrate. European Union, *Horizon 2020 (H-2020).* **Budget**: € 3,058,035.00 Euro.
[Oct. 2020 –Oct 2022]	▪ Learning & development for a Sustainable future for refugees & host communities to promote co-existence and Socio-Economic Development (LSFR), *Orange Knowledge Programme. Tailor-Made Training / Tailor-Made Training Plus, Nuffic.* **Budget**: € 531,778.
[2019 - 2023]	▪ Neurodevelopmental CAre for Refugees [NeuCARE]. *European Union, Erasmus+ programme, Capacity Building in higher education - Joint Projects.* **Budget**: € 668,750.00 Euro.
[2019 - 2021]	▪ Reshaping Attention and Inclusion Strategies for Distinctively Vulnerable People Among the forcibly Displaced [RAISD]. *European Union, Horizon 2020 (H-2020).* **Budget**: € 2,662,128.00 Euro.
[2019 - 2021]	▪ Psychosocial Support and Trauma work in Jordan/Certified Advanced Training on Community Based Psychosocial Support in the Context of Forced migration. *Deutsche Gesellschaft for Internationale Zusam-menarbeit (GIZ) GmbH.* **Budget**: €121,676.94 Euro.
[2018 - 2020]	▪ Toward Innovative Design an Interactive, Secure, Learning and Research YU Cloud Environment [YUCloud]. *Deanship of Scientific Research and Graduate Studies, Yarmouk University.* **Budget**: 43,140.00 JD, approximately: $ 60,846.00 USD.
[2018 - 2019]	▪ Design of Smart Water Distribution System Based on Cloud Computing and Internet of Things [SWDS]. *Deanship of Scientific Research and Graduate Studies, Yarmouk University.* **Budget**: 2,000.00 JD, approximately $ 2,820.00 USD.
[2017 - 2019]	▪ Providing Fundamental ICT Skills for Syrian Refugees [PFISR].

European Union, HOPES-MADAD. **Budget**: € 53,375 Euro.

[2017 - 2019]
- Transferring E-Commerce Fundamentals for Syrian Refugees [TEFSR]. *European Union, HOPES-MADAD.* **Budget**: € 39,250.000 Euro

HONORS AND AWARDS

[2017]	- Oracle Academy Certificate, Training of Trainees (ToT).
[2015]	- Member of USU Honored Graduate Students.
[2014]	- Research and Projects Grant Proposal Award, Utah State University, USA.
[2011-2015]	- Full Tuition Award, Utah State University.
[2011- 2014]	- PhD Scholarship, Yarmouk University, Jordan.
[2010]	- First Rank Student Award, Yarmouk University, Jordan.