

## **Anoud Bani-Hani, Eng.D.**

Associate Professor

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### **Academic Qualifications**

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<b>Eng. Doctorate.</b> Computer Science	Loughborough University, UK, 2014
<b>M.Sc.</b> Multimedia and Internet Computing	Loughborough University, UK, 2007
<b>B.Sc.</b> Computer Science and Information Technology	JUST, Jordan, 2006

### **Employment History**

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<b>Associate Professor</b> , University of Colorado, Denver, USA	June 2024- Current
<b>Associate Professor</b> , Zayed University, Dubai, UAE	June 2022- July 2023
<b>Director of the NextGen Centre</b> , Zayed University, Dubai, UAE	August 2020–June 2022
<b>Assistant Professor</b> , Zayed University, Dubai, UAE	August 2014–June 2022
<b>Research Assistant</b> , Loughborough University, UK	October 2009 – 2013
<b>Software Developer</b> , JCK Joinery, Leicester, UK	October 2009 – 2013
<b>Lecturer</b> , Jordan University of Science and Technology	Aug 2008 - June 2009

### **Committees and Professional bodies**

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<b>Research Ethics – Chair</b>	2018- 2022
<b>Research Ethics – Member</b>	2016- 2018
<b>Search Committee ISTM – Member</b>	2019
<b>Search Committee CAT – Member</b>	2019
<b>Students Affairs Committee – Member</b>	2016
<b>Students Special Case Committee – Member</b>	2016
<b>Research Committee – Member</b>	2020 - 2021
<b>Dual Study Task Force</b>	2016- 2020
<b>College Purchase Committee – Member</b>	2016
<b>Website Committee – Member</b>	2019
<b>EXPO 2020 Committee – Member</b>	2019- 2020
<b>Curriculum review Task force – Member</b>	2019
<b>Senior Project committee – Member</b>	2020
<b>ACM Member</b>	2020- Present
<b>IEEE Member</b>	2019- Present

### **Awards and Nominations**

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<b>Zayed University President Award for Employee Excellence</b>	2021
<b>Prime Minister Office Award for Employee Excellence (Nomination)</b>	2021
<b>Outstanding Teaching Award (Nomination)</b>	2019

## International Leadership and Professional Citizenship

- **EXPO2020** trips with students.
- **Future Foresighting studies for the UAE's Cultural and Creative Industries Sector (2020):** I was nominated by the Ministry of Culture and knowledge development to lead the study and write a report on how technology can help boost cultural economy in UAE in the far future, my contribution to appear in UAE strategy 2050 -2071.
- **The Ministry of Education's Department of Science, Technology and Research** have selected me for its "Majlis" Talk Series, session 1, focused on COVID-19 related research, featuring my research about detecting fake news through social media.
- **The Eighth Gulf Programing Contest GPC:** Member of the Organizing Committee.
- **SAP Dual Study Lead** at Zayed University.
- **UAE- Germany Trip 2018 for students:** SAP, IBM and Munich University.
- **Innovation Week:** I have run multiple events in the Innovation week 2018, E-Team Challenge, Design Thinking Session.

## Invited Talks and Panels

- **Kuwait** ITAR Group 2021: COVID-19 Related AI-Analytics and Fake News: <https://www.youtube.com/watch?v=wu4xKPLGjsA&t=2043s>
- **UAE:** 6th Annual Dubai International Conference on Infectious diseases & vaccination: <https://www.linkedin.com/feed/update/urn:li:activity:6803908945061789696/>
- **Germany,** Speaker at the Global Perspective: The Rise of Women in STEM: <https://www.linkedin.com/feed/update/urn:li:activity:6795375728738230272/>
- **UAE** Ministry of Education Session, Covid-19 Majlis: <https://www.youtube.com/watch?v=O2FoUX3g210&t=248s>
- **UAE** Distance learning impact on Higher Education: <https://www.youtube.com/watch?v=UZyM0YSTogo>
- **Oman** HCT University talk 2021: <https://www.hct.edu.om/centers/etc/about-etc/news-archive/seminar-fake-news-social-media-032921>

## Conference Organization and Peer Esteem

- General Co-Chair on the 7th International workshop on Online Social Network Technologies (**OSNT 2021**).
- Workshops Chair of the 8th IEEE International Conference on Social Network Analysis, Management and Security, 2021 (**SNAMS 2021**).
- General co-chair on the 5th International workshop on Online Social Network Technologies (**OSNT 2020**) in conjunction with the 7th IEEE International Conference Social Network Analysis, Management and Security (**SNAMS 2020**)
- TPC co-chair of International Symposium on Health and Medical informatics, Management and Security (**HMiMS 2020**), in conjunction with the 7th IEEE International Conference on Internet of Things, Systems, Management and Security.
- **URC** Conference 2020: Member of the Judging Panel for the best awards, Program Co-Chair.

- TPC Co-Chair of The International Symposium on Software Engineering for Cloud, Edge and Internet of Things Systems (**SECEI 2020**) in Conjunction with the 7th IEEE International Conference on Software Defined Systems (SDS-2020)
- TPC member of the **ITT** conference for the HCT university 2018, 2019 & 2020
- TPC member of the 7th IEEE International Conference on Social Network Analysis, Management and Security, 2020 (**SNAMS 2020**)
- TPC member of the 6th IEEE inter conference on Fog and Mobile Edge Computing, (**FMEC 2020**)
- I organized and Co-chaired a workshop in the **ICCMIT '19** - The 5th International Conference on Communication, Management and Information Technology Mar 26-28, 2019, Vienna, Austria.
- TPC member of the **URC** Conference 2016: Publicity Co-chairs
- Reviewer of the Journal of Cluster Computing by Springer.
- Reviewer for the Journal of Digital Forensics, Security and Law.
- Reviewer for the journal of Small Business and Enterprise Development.
- Organizing Committee member: The eighth gulf programming contest (GPC).
- Reviewer for Journal of Digital Forensics, Security and Law, Florida, United States of America.
- CIS IEEE conference                      IEEE 2018, 2019, 2020

## **Research Grants of total (\$600k)**

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- 1) **Research Intensive Fund (RIF):**
- 2) Zayed University Research Intensive Fund “E-Motive Ontology: Extracting Emotions in Arabic” **2017-2018 (PI) – 30,000\$**
- 3) Zayed University Research Intensive Fund: “A Multi-purpose Semantic-rich Ontology for the detection of Fake News in Social Networks” **2019- 2021 (PI) – 72,000 \$**
- 4) Zayed University Research Intensive Fund: “Cloud-driven Semantic-Enabled Social Network Analysis” **2019- 2021 (Co-PI) – 41,000\$**
- 5) Zayed University Research Intensive Fund: “Smart Heuristic Kit Technology for students with autism: An experimental and developmental study in the UAE.” **2019 – 2021 (Co-PI) – 36,000\$.**
- 6) Zayed University Research Intensive Fund “Integrated Framework for a Holistic Digital Transformation Strategy” **2021- 2023 (Co-PI) – 52,000\$.**
- 7) Zayed University Research Intensive Fund: “A Semantic Knowledge Graph based solution for Improved Cyber Threat Intelligence Analytics in UAE” – **2021-2023 (PI) – 58,000\$.**
- 8) **Clusters:**
- 9) Zayed University Cluster: Sustainable policies for Solving transportation traffic and congestion issues (Cluster with RTA) - Sustainable Transportation Research-2016 – 2018 **(Co-PI) – 100,000\$.**
- 10) Zayed University Cluster: Responding to the Covid-19 Public Health Impact in UAE: An Intelligent Data Fusion Model and Predictive Analysis for Proactive and effective response, leveraging Semantic Technologies and Artificial intelligence. **(PI) – 136,000\$**
- 11) Research Collaboration Fund between UAEU/ZU: For a more Resilient Society: Detecting and Predicting Mental Health Changes in UAE using Social Media Data and Artificial Intelligence. **2022-2024 (Co-PI) – 68,000\$.**

## Software Development

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Along with my research team we have developed several software *(Please note these are for ongoing research so updates may apply)*:

1. Fadnet Ontology: A Semantic Model for Context-Based Fake News Detection on social media: [rif-zu/fandet-ontology \(github.com\)](https://github.com/rif-zu/fandet-ontology): <https://github.com/rif-zu/fandet-ontology>
2. Fane-KG: A Semantic Knowledge Graph for Context-Based Fake News Detection on Social Media: [rif-zu/fane-knowledge-graph \(github.com\)](https://github.com/rif-zu/fane-knowledge-graph): <https://github.com/rif-zu/fane-knowledge-graph>
3. Cone-KG: A Semantic Knowledge Graph with News Content and Social Context for Studying Covid-19 News Articles on Social Media: [rif-zu/cone-knowledge-graph \(github.com\)](https://github.com/rif-zu/cone-knowledge-graph): <https://github.com/rif-zu/cone-knowledge-graph>
4. A Covid-19 web-based news search service, powered by a semantic knowledge graph Cone-KG News Portal is a web-based application implementation based on Cone-KG: [rif-zu/cone-kg-news-search-app: \(github.com\)](https://github.com/rif-zu/cone-kg-news-search-app): <https://github.com/rif-zu/cone-kg-news-search-app>

## Training and Development

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### Assurance of Learning - Professional Development

- 2012: **The Ins and Outs of Research Design**, Loughborough University, UK
- 2013: Certificate of Attendance: **Working with the Media for Research Staff and Postgraduate Researchers**, Loughborough University, UK
- 2014: Certificate of Completion “**Good teaching to great instruction: Pathways to continued instructional success**”, Zayed University, DXB.
- **TERP 10**: SAP Training.
- 2014: Certificate of Attendance of: **UAE Cultural Awareness Course**, Zayed University, DXB.
- 2015: **Tobii Eye Tracker** Technology Training, Dubai, United Arab Emirates
- 2016: Certificate of Attendance of: **CRM SAP Course**, SAP, UAE.
- 2017: Certificate of completing the World Governmental Summit: **Future Perspectives: Technologies that Pave the Way to Logistics and Infrastructure**, WGS.
- 2019: **Blackboard** Conference, RMEA.
- 2020: Completion of: **Fundamentals of Innovation and Entrepreneurship Educator’s Guide by Stanford University**.
- 2020: Certificate of Appreciation for attending: **Faculty Guide to support Services by student accessibility service department**, Zayed University, DXB.
- 2023: **Entrepreneurship in Emerging Economies** by Harvard University, USA.
- 2024: **Canvas** Training, Denver, USA.

### Students Trips/ related activities (Sample):

- Joining the female students to a fieldtrip to **GITEX’2014- 2015- 2017-2019**.
- Sharjah **Entrepreneurial** Festival 2017, 2019, 2021.
- **International University Trip to Germany**, Student trip to IBM Internet of Things Watson Centre and SAP Berlin/ Munich, Followed with a visit to Munich University 2018.
- **EM-Tech** Mena Conference 2019.
- **Etisalat** Innovation Center visit 2019.

## Research-related

- 2014: **Keynote** Speaker at the International Conference on Engineering, Technology and Sciences (ICETS-2014), Dubai, UAE.
- Managed more than 6 **Research assistant** students from Zayed University, 3 Research Assistant International students.
- **ICCMIT 2019**: Conf. Chair and Organizer of special session.
- **URC Conference 2020**: Member of the Judging Panel for the best awards.  
Program Co-Chair

## Technology and Teaching-related Training (Certificates)

- 2023: Certificate for "**Entrepreneurship in Emerging Economies**" from **Harvard Business School**, Harvard University
- 2020: Completion of: **Fundamentals of Innovation and Entrepreneurship Educator's Guide by Stanford University**.
- 2014 - 2020: Zayed University Professional Development Week, Dubai, UAE. Attended several IT training and research related sessions during Zayed University Professional Development week.
- Enterprise Design Thinking - Team Essentials for AI, Issued by **IBM 2020**.
- Enterprise Design Thinking Co-Creator Issued by **IBM 2020**.
- Enterprise Design Thinking Practitioner Issued by **IBM 2020**.
- Issued by **Microsoft 2020**:
  - Define an AI strategy to create value in education.
  - Define an AI strategy to create business value.
  - Enable business users with key AI use cases.
  - Introduction to Power BI.
  - Introduction to Power Platform.
  - Introduction to Power Apps.
  - How to build a canvas app.
  - Get started with a Finance and Operations implementation project.
  - FastTrack Customer Success Program for Finance and Operations.
  - Get started with Lifecycle Services for Finance and Operations apps.
  - Design and plan an implementation of Finance and Operations apps.
  - Perform user acceptance testing in Finance and Operations apps.
  - Prepare data for migration to Finance and Operations apps.
  - Identify data integration patterns and scenarios in Finance and Operations apps.
  - Implement data integration concepts and solutions for Finance and Operations apps.
  - Implement the Data management package API for Finance and Operations apps.
  - Data integrations with Finance and Operations apps.
  - Work with data management in Finance and Operations apps.
  - Implement application lifecycle management in Finance and Operations apps.
  - Define an AI strategy to create value in education.
  - Understand the importance of building an AI-ready culture.
  - Discover how to foster an AI-ready culture in finance.
  - Discover how to foster an AI-ready culture in marketing.
  - Use Lifecycle Services to design and plan an implementation of Finance and Operations apps.

Please check my LinkedIn Account:

<https://www.linkedin.com/in/anoudbaniani/>