



# Prof. Dr. Belal Abdullah Rasea Al-Fuhaidi

**Professor of Networking and Communication Engineering | Dean, Faculty of Computing and IT**

University of Science and Technology (USTY), Sana'a, Yemen

Mobile: +967 777097888 | Tel: +967-1-374019/20 ext. 4197 | Email: belalarh@gmail.com | belalarh@ust.edu.ye | P.O. Box 13064

USTY Profile | [ORCID](#) | [Google Scholar](#) | [Scopus](#) | [Web of Science](#) | [ResearchGate](#) | LinkedIn

## PROFESSIONAL PROFILE

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Professor of Networking and Communication Engineering and Dean of the Faculty of Computing and IT at the University of Science and Technology (USTY), Yemen. Academic leader with higher-education experience since 2013, including faculty leadership, department leadership, graduate studies administration, scientific research governance, quality assurance, accreditation readiness, higher education governance, and academic program development. Recognized for leading and contributing to Program Specification Documents (PSDs), curriculum mapping, course specifications, continuous improvement, and internal/external program review across undergraduate and postgraduate computing and engineering programs. Researcher and supervisor in networking, wireless and mobile communications, cybersecurity, AI, machine learning, IoT, cloud computing, data science, 5G/6G, and digital communications, with 40+ listed scholarly outputs and manuscripts across journals and conferences. Experienced IEEE conference chair/program chair/track chair, journal reviewer, editorial board member, and national consultant for computing education standards including NARS2023 in Yemen.

## CORE COMPETENCIES

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- Academic Leadership; Higher Education Governance; Faculty and Department Administration; Graduate Studies Management
- Quality Assurance in Higher Education; Academic Accreditation; ABET Accreditation Preparation; Continuous Improvement
- Program Specification Documents (PSDs); Curriculum Development; Course Specifications; Learning Outcomes; KPIs; Benchmarking
- NARS2023 Computing Standards; External Program Review; Internal Review; Self-Evaluation; Accreditation Evidence Management
- Scientific Research Leadership; Research Supervision; Peer Review; Editorial Service; IEEE Conference Leadership
- Cybersecurity Education; Network Security; Intrusion Detection; Ethical Hacking; Information Security; SDN Security
- Computer Networks; Wireless and Mobile Communications; 4G/5G/6G; IoT; Cloud Computing; Distributed Systems
- Artificial Intelligence; Machine Learning; Deep Learning; Data Science; Big Data; Digital Transformation; E-Learning
- Academic Partnerships; EC-Council Academic Partnership; CompTIA and Microsoft M365 Education Coordination
- Institutional Strategic Planning; Strategy Evaluation; Strategic Plan Development; Higher Education Governance

## SELECTED ACHIEVEMENTS AND IMPACT

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- Led the Faculty of Computing and IT as Dean since 2021, overseeing academic development, quality assurance, program modernization, postgraduate initiatives, research activity, and institutional committees.
- Headed the ABET Accreditation Team for the B.Sc. Cybersecurity and Networks program and led continuous-improvement activity for Cybersecurity and Networks, Information Technology, Software Engineering, and Information Systems programs.

- Chaired, vice-chaired, or served on committees for preparing and developing PSDs for Ph.D. in Computing, M.Sc. in Computing, Master of Graphic Design and Multimedia, B.Sc. Cybersecurity and Networks, B.Sc. Artificial Intelligence, and Bachelor of Graphic Design and Multimedia.
- Served as national consultant for preparing standards and outputs of computing programs in Yemen (NARS2023), supporting alignment of computing education with national quality and accreditation expectations.
- Initiated and continues to lead the first academic partnership in Yemen between USTY and EC-Council, enabling USTY to deliver globally recognized cybersecurity certifications.
- Contributed as an expert internal and external reviewer for academic programs at USTY, Ibb University, Al-Razi University, Ittihad University of Science and Technology, and Emirates International University.
- Authored or co-authored 40+ listed scholarly outputs and manuscripts in international journals and conferences, including IEEE, IET, Springer, Elsevier, Wiley/Hindawi, and other venues.
- Supervised at least 60 B.Sc. graduation projects across Communication Engineering, Computer Science, IT, and Information Systems, covering cybersecurity, AI, cloud, networking, mobile/GPS, databases, embedded systems, and web systems.
- Supervised and examined selected master's and Ph.D. theses in WSN, MPLS, IoT, blockchain, edge computing, SDN, 5G network slicing, cloud computing, process mining, big data, and optimization algorithms.
- Served as General Chair, General Executive Chair, Program Chair, Track Chair, program committee member, and reviewer for IEEE and Springer conferences including DTISD 2026, ICETI 2024, ITSS-IoE 2021/2022, MTICTI 2021, and eSmarTA series.
- Reviewed more than 140 journal manuscripts and more than 150 conference papers for international journals and conferences, including venues indexed by Scopus and Web of Science.

## ACADEMIC AND ADMINISTRATIVE LEADERSHIP EXPERIENCE

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### Leadership and Administrative Appointments

#### **Dean, Faculty of Computing and IT** | University of Science and Technology (USTY) | Yemen | 2021-Present

- Lead faculty-level academic planning, program development, quality assurance, accreditation preparation, student services, scientific activities, and institutional coordination.
- Oversee modernization of computing programs and support development/review of undergraduate and postgraduate offerings in cybersecurity, networks, AI, software engineering, information systems, IT, data science, multimedia, and computing.
- Contributed, as a member of the Main Committee mandated to prepare USTY's Third Strategic Plan (2026-2030), to the review and evaluation of the University's Second Strategic Plan (2020-2025) and to the formulation of strategic directions, institutional priorities, and development initiatives for the next planning cycle.
- Direct accreditation-readiness activities, including continuous improvement committees, evidence collection, curriculum alignment, PSD development, and review of course specifications.
- Advance partnerships and professional certification pathways, including EC-Council, CompTIA, and Microsoft M365 Education coordination.
- Support research culture through conferences, scientific committees, publication activity, research supervision, project exhibitions, and national competitions.
- Serve as a member of the Academic Council and University Council and contribute to institutional committees on digital transformation, e-learning, academic partnerships, and university classification.

#### **Chair, Scientific Research Committee** | University of Science and Technology (USTY) | Yemen | 2024-Present

- Chair university-level scientific research committee activities and contribute to research governance, scholarly productivity, research-event planning, and academic quality enhancement.
- Support research supervision, postgraduate research alignment, conference participation, journal reviewing, and development of faculty research capacity.

**Documentation and Publishing Officer** | Yemeni Organization for Science and Technology Research (YOSTR) | Yemen | 2022-Present

- Support documentation and scientific publishing activities for a national organization focused on science and technology research.
- Contribute to dissemination of research outputs and support coordination of scientific and professional activities.

**Head, Computer Science Department** | University of Science and Technology (USTY) | Yemen | 2015-2021

- Led departmental academic operations, teaching coordination, curriculum development, course specification updates, student advising, project supervision, and committee work.
- Supported the development and review of PSDs and curricula for Computer Science, Information Systems, Information Technology, Mobile Computing, Computer Networks, and related programs.
- Coordinated faculty academic planning and contributed to preparatory workshops for reviewing and developing academic plans in the Faculty of Computing and IT.

**Head of Graduate Studies, Faculty of Computing and IT** | University of Science and Technology (USTY) | Yemen | 2018-2020

- Coordinated postgraduate academic activities, graduate-course specifications, thesis supervision, thesis discussion processes, and program development for computing programs.
- Supported review and modification of graduate PSDs for Master in Computing and Ph.D. in Computing programs.

## Academic Appointments

**Professor, Computer Science Department** | University of Science and Technology (USTY) | Yemen | 2024-Present

- Teach undergraduate and graduate computing courses and supervise research in networking, cybersecurity, AI, IoT, cloud computing, wireless communications, and digital communications.
- Lead and contribute to research publications, thesis supervision, program development, and quality assurance initiatives at faculty and university levels.

**Associate Professor** | University of Science and Technology (USTY) | Yemen | 2020-2024

- Delivered undergraduate and postgraduate teaching, supervised research, contributed to program development, and reviewed academic programs and course specifications.
- Maintained active research, reviewing, conference-service, and curriculum-development roles during faculty and departmental leadership appointments.

**Assistant Professor** | University of Science and Technology (USTY) | Yemen | 2013-2019

- Taught computing, networking, cybersecurity, algorithms, distributed systems, and communications courses across undergraduate and graduate programs.
- Developed course syllabi, supervised final-year projects, contributed to PSD development, and supported faculty workshops on curricula and quality assurance.

**Assistant Professor, Part-Time Roles** | Dar Al-Salam University; Saba University; Yemen Academy for Higher Education | Yemen | 2013

- Taught engineering, IT, communication engineering, software engineering, neural networks, expert systems, operating systems, C++, electronics, microprocessors, and related courses.
- Supported academic delivery and student advising across engineering and IT programs.

**Teaching Assistant** | Military Technical College | Cairo, Egypt | 2009-2011

- Supported teaching and laboratory activities in electronics, electrical circuits, database systems, digital signal processing, and related engineering subjects.

## QUALITY ASSURANCE, ACCREDITATION, AND PROGRAM DEVELOPMENT

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### Accreditation and Continuous Improvement

- Head of the ABET Accreditation Team for the B.Sc. Cybersecurity and Networks program.
- Head of the Continuous Improvement Committee for Bachelor's programs in Cybersecurity and Networks, Information Technology, Software Engineering, and Information Systems, supporting preparation and submission for ABET academic accreditation, 2024-2025 to present.
- Member of the team that prepared and presented a workshop on trends in developing national capabilities in the cybersecurity program to address modern challenges, Academic Accreditation and Quality Assurance Council for Education, Sana'a, Yemen, July 2025.
- Consultant of the National Committee for the preparation of standards and outputs of computing programs in Yemen (NARS2023).
- Led and contributed to curriculum components based on international standards, accreditation criteria, learning outcomes, course specifications, assessment alignment, and continuous improvement.

### Program Specification Documents and Curriculum Development

- Chair, PSD preparation committee for the Ph.D. in Computing Program, Faculty of Computing and IT, USTY, 2024-2025.
- Chair, PSD preparation and development committee for the M.Sc. in Computing Program, Faculty of Computing and IT, USTY, 2024-2025.
- Chair, PSD preparation committee for the Master of Graphic Design and Multimedia, Faculty of Computing and IT, USTY, 2024-2025.
- Vice-Chair, PSD preparation committee for the B.Sc. in Artificial Intelligence, Faculty of Computing and IT, USTY, 2024-2025.
- Chair, PSD preparation committee for the B.Sc. Cybersecurity and Network program, Faculty of Computing and IT, USTY, 2022-2023.
- Chair, PSD preparation committee for the B.Sc. Cybersecurity program, Ittihad University of Science and Technology, Yemen, 2023-2024.
- Vice-Chair, PSD preparation and development committee for the Bachelor of Graphic Design and Multimedia, Faculty of Computing and IT, USTY, 2023-2024.
- Proposed and designed the roadmap of academic computing programs at the Faculty of Computing and IT, USTY, July-August 2023.
- Chair, PSD preparation and development committee for the internal Ph.D. in Computing Program, Faculty of Computing and IT, USTY, 2020-2021.
- Participated in review and modification of PSDs for Master in Computing and Ph.D. in Computing programs, USTY, 2017-2018 and 2022-2023.
- Practiced building PSDs and curricula for Computer Science, Information Systems, Information Technology, Computer Networks, Mobile Computing, MIS, E-Business, Business Intelligence, Artificial Intelligence, Software Engineering, and Cybersecurity and Networks programs.
- Prepared and developed course syllabi for more than six graduate courses for Master and Ph.D. in Computing programs.
- Designed and reviewed more than three electronic courses for the Deanship of E-Learning and Open Learning, USTY, 2017-2019.

### Internal and External Academic Program Review

- Member, External Review Team for academic program accreditation of the Information Technology Program, Emirates International University, Sana'a, Yemen, August 2024-July 2025.
- Expert Reviewer, PSD evaluation of Computer and Communication Engineering programs, Faculty of Engineering, Ibb University, 2019-2020.
- Expert Internal Reviewer, PSD evaluation of the B.Sc. Software Engineering program after development, Faculty of Computing and IT, USTY, 2021-2022.
- Expert Reviewer, PSD evaluation of Bachelor of Graphic Design and Multimedia and B.Sc. Data Science programs, Faculty of Computer Science and IT, Al-Razi University, June 2022 and April 2024.

- Trainer and speaker in national workshops on curriculum design, quality assurance, cybersecurity, program specification, course descriptions, e-learning, and academic development.

## RESEARCH PROFILE

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Research interests include data communication and networking, wireless and mobile communications, wireless networks, 4G/5G/6G, cybersecurity, information security, intrusion detection, SDN, cloud and distributed computing, IoT, big data, data science, artificial intelligence, machine learning, deep learning, digital communications, spread-spectrum techniques, equalization, and interference cancellation. His publication record spans international journals and conferences, including IEEE, IET Communications, Wireless Personal Communications, Electronics Letters, Journal of Sensors, Applied Computational Intelligence and Soft Computing, IEEE Access, Baghdad Science Journal, and University of Science and Technology Journal for Engineering and Technology. Prof. Al-Fuhaidi also serves as a reviewer for journals indexed by Web of Science and Scopus and has acted as an editorial board member for journals including the Iraqi Journal of Information and Communication Technology.

- Research identifiers and profiles: ORCID <https://orcid.org/0000-0001-7912-8629>; Scopus Author ID 55782388600; Google Scholar <https://scholar.google.com/citations?user=6lT9VqUAAAAJ&hl=en>; Web of Science Researcher Profile; ResearchGate profile; LinkedIn profile.
- Scholarly output: 40+ listed scholarly outputs and manuscripts across journal articles, IEEE conference papers, and submitted/pre-print manuscripts.
- Reviewing service: 120+ journal manuscripts and 20+ conference papers reviewed for international journals and conferences.
- Collaboration: Research collaborations with UNESCO and international academic partners.

## GRADUATE SUPERVISION AND THESIS EXAMINATION

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### Master's Thesis Supervision

- Abdulkhabeer Ghazi, "Maximizing Coverage with Minimum Cost Deployment of Heterogeneous Wireless Sensor Network Using Harmony Search Algorithm," University of Science and Technology, Yemen, 2016-2019.
- Hasan Abdulraheb Abdo Asaad, "Proposed Method for FEC Selection in MPLS-TE," University of Science and Technology, Yemen, 2016-2018.
- Abulnasser Alabadi, "Intelligent PID Optimization Approach for Active Queue Management for TCP Communication Networks," University of Science and Technology, Yemen, 2016-2022.
- Ahmed Salman, "Realizing Trust in IoT Environment Using Blockchain," University of Science and Technology, Yemen, started 2018.
- Lamees Nagib, "Building a Model Internet of Things, Case Study: Health Care," University of Science and Technology, Yemen, started 2019.
- Bassam Abo-Elkher, "Service Management in Edge Computing for Internet of Things," University of Science and Technology, Yemen, started 2019.
- Arafat Al-Hoshabi, "Cyber-Attacks Defense in SDN Using Blockchain Technology," University of Science and Technology, Yemen, 2020.
- Zaynab Farea, "Intrusion Detection System for Wireless Sensor Networks," University of Science and Technology, Yemen, 2021.
- Essam Ahmed Abduh, "Secure Model for Mobile Network-Slice in 5G and Beyond," University of Science and Technology, Yemen, 2022.

### Ph.D. Thesis Examination / Discussion

- Nabil Ahmed Mohammed Yahya, "An Integrated Framework for Cloud Computing Adoption in Higher Education Institutions in Yemen," University of Science and Technology, Yemen, 2025.
- Wedad Al-Sorori, "New Caledonian Crow Learning Algorithm to Solve Continuous Optimization Problems: New Metaheuristic Algorithm," University of Science and Technology, Yemen, 2020.
- Redwan Aldilami, "A Model for Setup Enhancement in Both Delay and Cost of Cloud Task Scheduling," University of Science and Technology, Yemen, 2020.

- Mohammed Aldwil, "Methodological Framework for Analyzing Emergency Department Processes Using Process Mining," University of Science and Technology, Yemen, 2022.
- Hussein Alkhader Ahmed Abdullah, "Incremental Parallel Mining of Interesting Association Patterns for Big Data," University of Science and Technology, Yemen, 2022.

### Master's Thesis Examination / Discussion

- Abdulraqeb Esmail Abdullah Abdo, "Enhancing Android Security Architecture through the Enforcement of Attribute-Based Permissions," University of Science and Technology, Yemen, 2019.
- Hasan Abdulraqeb Abdo Asaad, "Proposed Method for FEC Selection in MPLS-TE," University of Science and Technology, Yemen, 2018.
- Abdulkhabeer Ghazi, "Maximizing Coverage with Minimum Cost Deployment of Heterogeneous Wireless Sensor Network Using Harmony Search Algorithm," University of Science and Technology, Yemen, 2019.
- Fuad Nagi Abdullah Shahrah, "Virtual Machine Migration in Vehicular Cloud for Service Continuity," University of Al-Andalus Yemen, Sana'a, 2021.
- Abdalnasser Alabadi, "Intelligent PID Optimization Approach for Active Queue Management for TCP Communication Networks," University of Science and Technology, Yemen, May 2022.
- Ahmed Albakali, "Hybrid Machine Learning Algorithm to Detect DDoS Attacks in SDN," University of Science and Technology, Yemen, January 2023.
- Ali Alsaydi, "Discrete Version of New Caledonian Crow Learning Algorithm to Solve Traveling Salesman Problem," University of Science and Technology, Yemen, March 2023.
- Zaynab Farea, "Intrusion Detection System for Wireless Sensor Networks," University of Science and Technology, Yemen, March 2023.
- Essam Ahmed Abduh, "Secure Model for Mobile Network-Slice in 5G and Beyond," University of Science and Technology, Yemen, 2024.

### Undergraduate Project Supervision

Supervised at least 60 B.Sc. final-year projects at the University of Science and Technology, Saba University, and Dar Al-Salam University during 2013-2024. Projects covered database applications, web programming and design, Bluetooth applications, mobile and GPS applications, image processing, embedded systems, wireless communication, multimedia networking, networking applications, cloud computing, web services, artificial intelligence, and cybersecurity.

### TEACHING EXPERIENCE

Undergraduate and graduate teaching experience since 2013 across the Faculty of Computing and IT, the Deanship of Higher Education and Scientific Research / Master of Computing program, and part-time academic appointments in engineering and IT. Teaching areas cover computer networks, cybersecurity, algorithms, distributed systems, wireless networks, digital communications, signal processing, programming, databases, software engineering, and AI-related courses.

### Representative Courses Taught

- **Cybersecurity and Security:** Principles of Cybersecurity; Information Security; Network Security; Ethical Hacking; Ethical Hacking and Penetration Testing; Intrusion Detection and Response; Cyber Threat and Defence
- **Networks and Communications:** Data Communication and Networking; Computer Networks; Advanced Computer Networks; Mobile and Wireless Networks; Wireless Communication and Wireless Networks; WANs and High-Speed Networks; Routing and Switching; Network Planning and Design; Multimedia Networking; Cellular Networks; Digital Communication; Digital Signal Processing
- **Computing and Software Systems:** Data Structures and Algorithms; Algorithm Analysis and Design; Distributed Systems; Client-Server Computing; Network Programming; Network Operating Systems; Operating Systems; Software Engineering; Object-Oriented Programming; C++ Programming; Problem Solving and Programming; Computer Programming; Computational Theory
- **AI, Data, and Cloud:** Artificial Intelligence; Neural Networks; Expert Systems; Cloud Computing; Big Data-related Supervision; IoT-related Supervision

- **Engineering and Foundations:** Digital Logic Design; Discrete Mathematics; Computer Fundamentals; Computer Architecture and Assembly Language; Electrical Circuits; Electronics; Microprocessors; Semiconductors; Database Systems

### Teaching Appointments and Programs

- Professor, Faculty of Computing and IT, USTY, 2024-Present.
- Professor, Deanship of Higher Education and Scientific Research / Master of Computing, USTY, 2024-Present.
- Associate Professor, Faculty of Computing and IT and Master of Computing, USTY, 2020-2024.
- Assistant Professor, Faculty of Computing and IT, USTY, September 2013-2019.
- Assistant Professor, Deanship of Higher Education and Scientific Research / Master of Computing, USTY, 2015-2019.
- Advanced Computer Networks, Open University Malaysia (OUM), Sana'a Branch, Master Program, 2016-2017.
- Part-time Assistant Professor roles at Dar Al-Salam University, Saba University, and Yemen Academy for Higher Education, 2013.
- Teaching Assistant, Military Technical College, Cairo, Egypt, 2009-2011.

## CONFERENCE LEADERSHIP AND SCIENTIFIC EVENTS

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### Conference Leadership and Program Service

- Program Chair, DTISD 2026 (IEEE conference), Aden University, Aden, Yemen.
- Track Chair, eSmarTA 2026 (IEEE conference), Thamar University, Thamar, Yemen.
- Track Chair, eSmarTA 2025 (IEEE conference), Ibb University, Ibb, Yemen.
- Program Chair, ICETI 2024 (IEEE conference), Sana'a University, Sana'a, Yemen.
- Track Chair, eSmarTA 2024 (IEEE conference), Al-Jeel Algadeed University, Sana'a, Yemen.
- Track Chair, eSmarTA 2023 (IEEE conference), Ibb University, Ibb, Yemen.
- General Executive Chair, ITSS-IoE 2022 (IEEE conference), Al-Ahqaff University, Hadhramaut, Yemen, and Fordham University, New York, USA.
- General Chair, ITSS-IoE 2021 (IEEE conference), University of Science and Technology, Yemen.
- One of the General Chairs, MTICTI 2021 (IEEE conference), Al-Razi University, Yemen.
- Program committee member, Digital Transformation Conference, Ministry of Higher Education and Scientific Research, Yemen, 2022.
- Program committee member for IEEE and Springer conferences including eSmarTA 2021-2026, ACeS 2021, ArabWIC 2021, ICETIS 2021, ICL 2022, ETCCE 2020, ICOICE 2019, and ICETI 2024.

### Workshops, Seminars, Exhibitions, and Scientific Activities

- Workshop on quality assurance of higher education programs targeting computing faculties in Yemen, Sana'a, 2018.
- Workshops on developing PSDs and course descriptions for Faculty of Computing and IT programs, USTY, 2014 and 2020-2021.
- Preparatory workshops for reviewing and developing academic plans of Faculty of Computing and IT programs, USTY, 2014, 2017, and 2020-2021.
- Workshop on building and developing master program specification (PSD) as Expert Reviewer for Faculty of Engineering programs, Ibb University, 2019-2020.
- Workshop on building and developing master program specification (PSD) for Faculty of Engineering programs, Sana'a University, 2020-2021.
- Workshop and seminar on designing electronic courses for USTY programs, 2017.
- Seminar: Prospects and Challenges of Electronic Commerce in Yemen, USTY, 2015.
- Several seminars for Networking and Communications, USTY, 2014-2022.
- Chairman of the 2nd-7th Graphic Exhibitions in Yemen at USTY, 2016, 2017, 2018, 2019, 2021, and 2023; contributed to the first Graphic Exhibition in Yemen, 2014.
- Member of the jury for distinguished projects at the Republic of Yemen level, Supreme Commission for Science and Innovation, 2020.

- Organized a scientific trip for communication department students to Military Technical College, Cairo, Egypt, 2013.

## EDITORIAL, REVIEWING, AND PROFESSIONAL SERVICE

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- Reviewer for numerous Web of Science and Scopus-indexed journals, including venues associated with IEEE, IET, Springer, Elsevier, Wiley, Hindawi, Electronics Letters, The Journal of Engineering, IET Image Processing, IET Wireless Sensor Systems, Applied Soft Computing, and IEEE Access.
- Reviewed more than 120 journal articles and more than 20 conference papers for international journals and conferences.
- Editorial board member for journals including the Iraqi Journal of Information and Communication Technology and other international journals documented in his professional record.
- IEEE member and founding member of the IEEE Subsection in Yemen.
- London Journal Press member, Rosalind membership ID #AQ21633.
- Conference reviewer for ICOICE 2019, ICACIN 2020, ACeS 2020, ICETIS 2021, and other venues.
- Member/chair of institutional committees including High Council of E-Learning, International Academic Partnerships Committee, Academic Development Committee, Digital Transformation Committee, Arab Classification Committee, Program Specification Document Committee, Self-Evaluation Committee, Postgraduate Studies Committee, Community Service Committee, Scientific Competitions Committee, Academic Council, and University Council.
- Scientific committee service for national university competitions and the Higher Commission for Science, Technology and Innovation.

## ACADEMIC PARTNERSHIPS AND INSTITUTIONAL IMPACT

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- Primary contact and academic-partnership lead for USTY with EC-Council; initiated and continues to lead the first EC-Council academic partnership in Yemen, 2021-Present.
- Primary contact for academic partnership activities with CompTIA and Microsoft M365 Education.
- Contributed to digital transformation, e-learning, academic partnerships, scientific competitions, community service, university classification, and national computing education standards.
- Organized and chaired national competitions, workshops, scientific exhibitions, and program-development activities that supported institutional visibility and academic quality.

## EDUCATION

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- Ph.D. in Electrical Engineering - Communications Engineering** | Military Technical College, Cairo, Egypt | February 2013
- Thesis: "Advanced Multiuser Communication Techniques for Wireless Communication System" | Area: Wireless Mobile Communications
- M.Sc. in Electrical Engineering - Computer Engineering** | Military Technical College, Cairo, Egypt | October 2009
- Thesis: "Intelligent Intrusion Detection Systems" | Area: Network Security
- B.Sc. in Electrical Engineering - Computer Engineering** | Military Technical College, Cairo, Egypt | July 2007
- Grade: Very Good with Honors; Excellent in the final year

## CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

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- CCNA Certification, Cairo, Egypt, 2005.
- Certified Cybersecurity Technician (CCT) v1 - Complete Series, Certificate No. 685641.
- CEHv11 - Certified Ethical Hacker Complete Series, Volumes 1-4, Certificate No. 688515.
- Oracle certificates: SQL, PL/SQL, DBA, Forms, Reports, Form Builder, Report Builder, DBA, and tuning.
- ICDL courses certificate.
- Trainer and speaker in national workshops on quality assurance, program specification, cybersecurity, curriculum design, e-learning, and academic development.
- Additional certifications and certificate links are available upon request and can be verified before external submission.

## TECHNICAL SKILLS

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- **Programming and Development:** C, C++, C#, Java, Python, Prolog, MATLAB, Visual Basic 6, Visual Basic .NET, systems development, software analysis and design.
- **Database and Oracle Technologies:** Oracle SQL, PL/SQL, Forms, Reports, DBA, database management, tuning, database applications.
- **Networking and Simulation Tools:** Cisco Packet Tracer, OPNET Simulator, cloud computing and IoT simulators, network planning and design, wireless communication and networks.
- **Cybersecurity and Network Security:** Intrusion detection, network security, information security, ethical hacking, penetration testing, cyber threat and defence, SDN and DDoS research topics.
- **AI, Data, and Research Tools:** Machine learning, deep learning, data science, big data, optimization algorithms, research methodology, scholarly reviewing, manuscript preparation.
- **Academic and Administrative Tools:** Curriculum development, PSD preparation, course specifications, learning outcomes, quality assurance, accreditation readiness, conference organization.

## LANGUAGES

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- Arabic: Native
- English: Advanced

## ADDITIONAL PROFESSIONAL PROFILE

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- Senior lecturer and researcher in communications, networking, computing, wireless communications, and computer science.
- Postgraduate and undergraduate student advisor; curricula developer; expert in specification and development of academic programs.
- Expert in preparing and organizing international scientific conferences; manuscript reviewer; chapter and book author.
- Computer consultant, system designer and analyst, programmer, wireless communications and networks planning/design specialist, and team leader.
- Nationality: Yemeni. Personal details such as date of birth and marital status are available in supporting records and can be added for local applications when required.

## REFERENCES

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References available upon request. Detailed referee names, phone numbers, and email addresses can be added for academic submissions that explicitly require them.

## APPENDIX A: PUBLICATIONS AND MANUSCRIPTS

The following list includes journal articles, conference papers, and submitted/pre-print manuscripts. Titles, years, venues, and DOIs have been preserved and lightly normalized for consistency.

### Selected Journal Publications

1. B. A. Al-Fuhaidi, H. E. A. Hassan, M. M. Salah, and S. S. Alagooz, "Parallel Interference Cancellation with MMSE Equalization for the Downlink MC-CDMA Systems," *International Journal of Research and Reviews in Wireless Communications*, 2011. <https://doi.org/10.21608/asat.2011.23413>
2. B. A. Al-Fuhaidi, H. E. A. Hassan, M. M. Salah, and S. S. Alagooz, "Parallel Interference Cancellation with Different Linear Equalisation and Rake Receiver for the Downlink MC-CDMA Systems," *IET Communications*, vol. 6, no. 15, pp. 2351-2360, 2012. doi: <https://doi.org/10.1049/iet-com.2011.0385>
3. B. A. Al-Fuhaidi, H. E. A. Hassan, and M. M. Salah, "Interference Cancellation with Space Diversity for Downlink MC-CDMA Systems," *Wireless Personal Communications*, vol. 74, pp. 439-456, 2014. doi: <https://doi.org/10.1007/s11277-013-1296-4>
4. B. A. Al-Fuhaidi, H. E. A. Hassan, and M. M. Salah, "Improved Interference Cancellation for Downlink DCT-MC-CDMA Systems," *Electronics Letters*, vol. 49, no. 12, pp. 770-772, 2013. doi: <https://doi.org/10.1049/el.2012.4373>
5. A. B. Alzaroug, B. A. Al-Fuhaidy, M. M. Salah, et al., "Performance Analysis of the Downlink CP-WCDMA System with Turbo Code in Frequency Domain," *Wireless Personal Communications*, vol. 77, pp. 3193-3207, 2014. doi: <https://doi.org/10.1007/s11277-014-1703-5>
6. Hasan Abdul Raqib Abdo Asaad and Belal Al-Fuhaidi, "An Efficient Routing Method for Protection Data Flow in the MPLS Network," *Journal of Science and Technology - UST Yemen*, vol. 22, no. 2, 2017. <https://doi.org/10.20428/jst.v22i2.1286>
7. Belal Al-Fuhaidi and Hasan A. A. Asaad, "Single Fault Tolerance Method for Protection Data Flow in the MPLS Network," *Wireless Communication Technology*, WHIOCE, Singapore, June 2018. <https://ojs.whioce.com/index.php/wct/article/view/462>
8. Belal Al-Fuhaidi, Hasan A. A. Asaad, and Sadek Al-Taweel, "An Efficient Fault Tolerance Model for Single and Multi-Fault in MPLS Networks," *International Journal of Software Engineering and Computer Systems*, vol. 5, no. 1, pp. 16-35, February 2019. <https://doi.org/10.15282/ijsecs.5.1.2019.2.0052>
9. Sadik Ali, Abdurahman H., and Belal A. Al-Fuhaidi, "E-Learning Adoption in Open Learning Programs: A Case Study of Public and Private Universities in Jeddah City," *International Journal of Computer Applications*, vol. 178, no. 10, pp. 14-22, May 2019. <https://doi.org/10.5120/ijca2019918823>
10. Belal Al-Fuhaidi, Abdulqader M. Mohsen, Abdulkhabeer Ghazi, and Walid M. Yousef, "An Efficient Deployment Model for Maximizing Coverage of Heterogeneous Wireless Sensor Network Based on Harmony Search Algorithm," *Journal of Sensors*, vol. 2020, Article ID 8818826, 18 pages, 2020. doi: <https://doi.org/10.1155/2020/8818826>
11. A. Al-Hashedi, B. Al-Fuhaidi, A. M. Mohsen, Y. Ali, H. A. Gamal Al-Kaf, W. Al-Sorori, and N. Maqtary, "Ensemble Classifiers for Arabic Sentiment Analysis of Social Network (Twitter Data) towards COVID-19-Related Conspiracy Theories," *Applied Computational Intelligence and Soft Computing*, 2022. doi: <https://doi.org/10.1155/2022/6614730>
12. F. A. Al-Fahaidy, B. Al-Fuhaidi, I. AL-Darouby, F. AL-Abady, M. AL-Qadry, and A. AL-Gamal, "A Diagnostic Model of Breast Cancer Based on Digital Mammogram Images Using Machine Learning Techniques," *Applied Computational Intelligence and Soft Computing*, 2022. doi: <https://doi.org/10.1155/2022/3895976>
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## Submitted / Pre-Print Manuscripts

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