Faculty C.V.

1. **Name and date of birth:**
   Ali A. Behiry – 25/03/1995

2. **Academic Rank**
   Full-Time Instructional Assistant – Engineering Lab

3. **Degrees**
   Master of Science (MSc) in Computer Engineering – Kuwait University (2019)
   Bachelor of Engineering (BEng) in Computer Engineering – American University of Kuwait (2015)

4. **Service at this Institution**
   4 years – Appointed 5/01/2020

5. **Professional Experience**
   Lab Instructor/Lab Coordinator - Kuwait University (2016-2019)
   Systems Engineer – Zak Solutions (Nov 2015 – Jan 2016)
   Part-time peer tutor – American University of Kuwait (2012-2014)

6. **Consulting Experience** *N/A*

7. **Professional Registration** *N/A*

8. **Publications**
   a) Refereed Journals
      M. K. Awad, **A. A. M. R. Behiry**, M. W. Baidas, "User association for load balancing in coordinated multipoint green HetNets: A Quasi-Newton-based approach", Physical Communication, Volume 49, 2021, 101464, ISSN 1874-4907, https://doi.org/10.1016/j.phycom.2021.101464.

      M. K. Awad, **A. A. M. R. Behiry** and E. A. Alrashed, "A Robust and Resilient Load Balancing Framework for SoftRAN-Based HetNets With Hybrid Energy Supplies," in IEEE Transactions on Network and Service Management, vol. 17, no. 3, pp. 1403-1417, Sept. 2020, doi: 10.1109/TNSM.2020.2991339.

      S. Abed, **A. A. M. R. Behiry**, I. Ahmad. Error metrics determination in functionally approximated circuits using SAT solvers. 2020. PLOS ONE 15(1): e0227745. https://doi.org/10.1371/journal.pone.0227745

b) Conferences

A. Kandil et al., "Pipeline Leak Identification Emergency Robot Swarm (PLIERS)," 2023 20th Annual IEEE International Conference on Sensing, Communication, and Networking (SECON), Madrid, Spain, 2023, pp. 381-383, doi: 10.1109/SECON58729.2023.10287512.

A. Behiry, A. Imdoukh, A. AlAteyah, F. Badreddine, R. AlFar and A. Rezk, "Towards a Selfmanaged and Gamified Laboratory Experience in Undergraduate Engineering Education," 2023 IEEE Global Engineering Education Conference (EDUCON), Kuwait, Kuwait, 2023, pp. 1-5, doi: 10.1109/EDUCON54358.2023.10125169.

A. Al-Kandari, A. -Z. AlMuzaini, A. Al-Humaidan, H. Al-Jouhari, S. Esmaeili and **A. Behiry**, "VGRIP: Virtual Reality in a GRIP," *2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA)*, 2022, pp. 1-5, doi: 10.1109/HORA55278.2022.9799929.

M. K. Awad and **A. A. M. R. Behiry**, "A Quasi-Newton-based Approach to Load Balancing in Coordinated MultiPoint (CoMP) Green HetNets," *2019 Seventh International Conference on Digital Information Processing and Communications (ICDIPC)*, Trabzon, Turkey, 2019, pp. 72-77, doi: 10.1109/ICDIPC.2019.8723867.

M. Imdoukh, Y. Khalil, **A. Rady** and M. Khanafer, "Zealth: ZigBee-Based WBAN System for e-Health Monitoring," 2017 9th IEEE-GCC Conference and Exhibition (GCCCE), Manama, 2017, pp. 1-9, doi: 10.1109/IEEEGCC.2017.8448094.

9.   **Membership in Professional Societies**
          IEEE Member – 2 years

10.   **Patents, Honors and awards**
          Kuwait University Excellence Scholarship (2016)
          American University of Kuwait Academic Scholarship (2011)

11.   **Courses taught**
          a) Academic Courses
          Kuwait University:
          Fall 2016:
          ENG200L - Programming for Engineers Lab (2 sections): 2 hours per week
          CPE201L - Object Oriented Programming Lab (1 section): 2 hours per week

          Spring 2016 - Spring 2019:
          ENG200L - Programming for Engineers Lab (1-2 sections): 2 hours per week
          CPE456L - Networking 2 Lab (2-3 sections): 2 hours per week

          American University of Kuwait:
          Spring 2020:

ELEG320L (1 section): 3 hours per week
ELEG220L: (2 sections): 3 hours per week
ELEG270L: (1 section): 3 hours per week
CSIS120-Lab (1 section): 2 hours per week

Fall 2020:
ELEG320L (1 section): 3 hours per week
ELEG220L: (1 section): 3 hours per week
ELEG270L: (1 section): 3 hours per week
CSIS130-Lab (2 sections): 2 hours per week

Spring 2021:
CPEG303L: (1 section): 3 hours per week
CPEG350L: (1 section): 3 hours per week
ELEG270L: (1 section): 3 hours per week
ELEG220L: (2 sections): 3 hours per week

Summer 2021:
CPEG201L: (1 section): 1.25 hours daily

Fall 2021:
CPEG330L: (1 section): 3 hours per week
CPEG340L: (1 section): 3 hours per week
ELEG270L: (1 section): 3 hours per week
ELEG220L: (1 section): 3 hours per week

Spring 2022:
CSIS101: (1 section): 2.5 hours per week
CPEG350L: (1 section): 3 hours per week
ELEG270L: (1 section): 3 hours per week
ELEG220L: (2 sections): 3 hours per week

Summer 2022:
CPEG201L: (1 section): 1.25 hours daily
CPEG331L: (1 section): 1.25 hours daily

Fall 2022:
CPEG340L: (2 sections): 3 hours per week
CSIS101**: (2** sections**):** 2.5 hours per week
CSIS130L: (2 sections): 2 hours per week

Spring 2023:
ELEG220L: (1 section): 3 hours per week
CSIS130L: (1 section): 2 hours per week
CSIS120L: (3 sections): 2 hours per week

Summer 2023:
CPEG201L: (1 section): 1 hour daily
ELEG270L: (2 sections): 1 hour daily

Fall 2022:
CPEG340L: (1 section): 3 hours per week
CSIS120L: (1 section): 2 hours per week
CSIS130L: (3 sections): 2 hours per week
ELEG320L: (1 section): 3 hours per week

Spring 2024:
CSIS101**: (**1 section**):** 2.5 hours per week
CSIS130L: (1 section): 2 hours per week
CSIS120L: (3 sections): 2 hours per week

12. **Other Duties**
   - Academic Quality Committee – Member (Fall 2021-Fall 2023)
   - Resource Management and Planning Committee – Member (Fall 2021-Spring 2024)

13. **Research**
   N/A

14. **Participation in Specific Programs**
   - Attended: Workshop titled "Teaching Future Skills", AUK, 2022.
   - Attended: Workshop titled "CDIO Philosophy and the Aston Way", AUK, 2022.
   - Delivered: "What can I do with my major" Workshop. CEAS Guest Speaker, AUK, 2022.
   - Attended: Workshop titled: "Getting and Keeping Students Engaged", Online, 2021.