Mahmoud Ben Naser -2024

❶ **Name & Rank**: Mahmoud Abdullah Ben Naser, Assistant Professor.

❷ **Education**

Degree	Discipline	Institution	Year
Ph.D.	Electrical and Computer Engineering	University of Massachusetts - Amherst	2008
M.S.	Electrical and Computer Engineering	Brown University	2002
B.S.	Computer Engineering	Kuwait University	1999

❸ **Academic Experience**

Institution	Designation	Year/Period	FT/PT
Kuwait University	Assistant Professor	2008	FT
University of Massachusetts – Amherst	Research Assistant and Graduate Student	2003 - 2008	FT
Brown University	Research Assistant and Graduate Student	2000 - 2002	FT

❹ **Non-Academic Experience:**

Institution	Designation	Year/Period	FT/PT
Zain (formerly MTC) is the pioneer of mobile telecommunications in the Middle East & now a major player on the African continent.	Computer Engineer	1999 - 2000	FT
Institute National Polytechnique (INPG), Grenoble, France	Experience with creating web site for RECUPTL SA Company own by INPG in France.	1998 - 1998	FT

❺ **Certifications / professional registrations:** None

❻ **Membership in Professional Organization:**

a. Institute of Electrical and Electronics Engineers (IEEE) Society., USA, Kuwait, IEEE is the world's largest professional association advancing innovation and technological excellence for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow through its highly-cited publications, conferences, technology standards, and professional and educational activities. IEEE is the trusted 'voice' for engineering, computing and technology information around the globe. It has the most members of any technical professional organization in the world, with more than 365,000 members in around 150 countries., 2005 - 2012.

❼ **Honors and Awards:**

a. Dean Award, Best Electronic Course at the College of Engineering and Petroleum (1 st place)., 2012.
b. Certification, Fundamentals of Solaris, 2012.
c. certification, - Volume Manager with Sun StorEdge, 2012.
d. certification, Sun Enterprise Cluster, 2012.
e. Academic Excellence Award, Honored by the National Union of Kuwaiti Students, 1995.
f. Certifications, - Solaris System Administration I and II, 2012 - 2012.
g. Certification, TCP/IP Network Administration, 2012 - 2012.
h. Kuwait University Scholarship, Was awarded a full scholarship to attain MSc and PhD degree in Computer Engineering from United States of America., 2000 - 2008.
i. Certificate of Academic Distinction, Society of Engineering and Petroleum., 1996 - 1997.
j. Honor List, College of Engineering & Petroleum – Kuwait University, 1994 – 1999.

⑧ Service Activities:

a. Ministry of Justice, Investigation Committee, 2024.
b. Ministry of Commerce and Industry, Head of Investigation Committee, 2022.
c. Kuwait Foundation for the Advancement of Sciences (KFAS), Head of Project Evaluation Committee for Information Systems Department, 2021.
d. Kuwait University, Investigation Committee, 2018.
e. College of Graduate Studies, Electronic Thesis and Dissertation Archiving Team, 2016.
f. National Bureau for Academic Accreditation and Education Quality Assurance (NBAQ), Information Technology System Committee member and vice chair, 2015.
g. College of Engineering and Petroleum, Preparing Computer Engineer Examination for Kuwait Gulf Oil Company (KGOC). 2014
h. Ministry of Justice, Served as a primary investigator for the lawsuit between the Ministry of Communication and KEMS Co., 2010.
i. Kuwait University Computer Information Systems-Kuwait University, Proposal evaluation for an RFP related to HP Alpha Servers Migration and Implementation Services, 2009.
j. Technical Reviewer, for IEEE Transactions on Very Large-Scale Integration (VLSI) Systems journal, 2008 - Present.
k. OCCD, College of Engineering and Petroleum, 2008 - Present.

⑨ Publications and Presentations (from past five years):

a. Reem Jaffal, Sa'ed Abed, Imtiaz Ahmad, and **Mahmoud Bennaser**, *" Approximate Population Count Using the Harley-Seal Method for Error-Tolerant Applications"*, International Journal of Computing and Digital Systems, July 2020, Vol. 9.
b. Khaled Hadi and **Mahmoud Bennaser**, *"Improving Node Positions in the Presence of Location Errors in Geographic Routing Protocol"*, Journal of High-Speed Networks, issue Pre-press, May 2020, Vol. 26, pp. 1-10, 10.3233/JHS-200626.
c. Mahmoud Bennaser and Ahmad Bennakhi, *"Applying Power Gating on D Flip-Flops"*, 3rd International Conference on Computational and Experimental Science and Engineering, (ICCESEN 2016), Antalya, Turkey, October 2016.
b. Yao Guo, Pritish Narayanan, Mahmoud Bennaser, Saurabh Chheda and Csaba Andras Moritz, "Energy-Efficient Hardware Data Prefetching", IEEE Transactions on VLSI, 2011, VOL. 19, NO. 2.
c. Mahmoud Bennaser, C. Andras Moritz, "Designing Data Memory Subsystems Resilient to Process Variation", IEEE transactions on VLSI Systems, 2008, VOL. 16, NO. 12.
d. Power and Performance Tradeoffs with Process Variation Resilient Adaptive Cache Architectures, 21st Symposium on Integrated Circuits and Systems Design, Universidade Federal do Rio Grande do Sul (UFRGS), Gramado, Brazil, 2008

⑩ Recent Professional Development Activities:

a. "IEEE Computer Society Annual Symposium on VLSI" Conference, Amherst, Massachusetts, USA, 2012.

b. "International Conference for High Performance Computing, Networking, Storage and Analysis" Conference, Seattle, Washington, USA, 2011.

c. "IEEE/ACM International Conference on Computer-Aided Design" Conference, San Jose, California, USA, 2010.

d. "International Conference on Architectural Support for Programming Languages and Operating Systems" Conference, Washington, D. C., USA, 2009.