

1 **Name & Rank:** Mehmet Hakan Karaata

## 2 Education

Degree	Discipline	Institution	Year
Ph.D.	Computer Science,	The University of Iowa, Iowa City, Iowa	1995
MS.	Computer Science,	The University of Iowa, Iowa City, Iowa	1990
BS.	Computer Science and Engineering with High Honors,	The University of Hacettepe, Ankara, Turkey	1987

## 3 Academic Experience

Institution	Designation	Year/Period
Department of Computer Engineering, Kuwait University	Professor	2010 Present
Department of Computer Engineering, Kuwait University	Associate Professor	2001-2010
Department of Computer Engineering, Kuwait University	Assistant Professor	1996-2001
Department of Computer and Information Engineering, Bilkent University, Ankara, Turkey	Assistant Professor	1995-1996
Department of Computer Science, Teikyo Marycrest University, Davenport, Iowa	Adjunct Instructor	Spring & Summer 1994
Department of Computer Science The University of Iowa, Iowa City, Iowa Duties include teaching, grading, conducting research, attending research meetings, writing research papers.	Research\Teaching Assistant	1989-1995
Department of Otolaryngology, The University of Iowa, Iowa City, Iowa Duties included developing software for research in hearing and cochlear implants. Use of C, Pascal, Matlab software and variety of audiovisual equipment, Data Translation hardware in conjunction.	Programmer Analyst	1990 to 1991
Hacettepe University Registration Center, Ankara, Turkey. Developed a database system for a student registration center. Duties included system analysis, design of the database schema, implementing programs to load the existing data, and to update the database (with the consideration of database backup and failures).	Database Programmer	1986-1987
STFA ELECTROCOM, Ankara, Turkey. Developed a stock control system, personally designed, and implemented.	Application Programmer	1986 Summer

4 **Non-Academic Experience:** None

5 **Certifications / professional registrations:** None

## 6 Membership in Professional Organization:

- ADVISORY BOARD of (ICARS) International Centre for Advanced Research and Studies (ICARS), Delhi
- 9th International Congress on Information and Communication Technology (ICICT 2024)
- 2nd International Conference on Computing and Data Analytics (ICCD- 2024)
- 7th International Conference on Advances in Natural and Applied Sciences (ICANAS 2024)
- 6th International Conference on Communications, Signal Processing, and their Applications (ICCSA 2024)
- 24th International Conference on Computational Science (ICCS 2023)
- 7th International Conference on Communication and Information Systems (ICIS 2023)

- 6th International Conference on Advances in Natural and Applied Sciences (ICANAS 2023)
- 7th International Conference on Information and Computer Technologies (ICICT 2024)
- 6th International Conference on Information and Computer Technologies (ICICT 2023)
- 16th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2024)
- 15th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2023)
- 14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022)
- 5th International Conference on Information and Computer Technologies (ICICT 2022)
- 5th annual International Conference on Cloud Technology and Communication Engineering (CTCE 2022)
- 4th International Conference of Computer and Data analysis (ICCD 2021)
- 5th International Conference on Communication and Information Systems (ICCIS 2020)
- The 4th International Conference on Information and Computer Technologies (ICICT 2020)
- 5th International Conference on Communications and Network Engineering (ICNE 2018)
- International Conference on Unmanned Aerial Systems and Aerospace (ICUASA 2018)
- International Conference on Computing Sciences and Engineering, ICCSE 2018
- 7th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2018

### 7 Honors and Awards:

- Best Graduation Project Award of College of Engineering (by Supervised Students) (2023)
- Second Best Graduation Project Award of College of Engineering (by Supervised Students) (2023)
- Winner of the Qatar Robotics Competition (by Supervised Students) (2017)
- Best Graduation Project Award of College of Engineering (by Supervised Students) (2014, 2017)
- Kuwait University Distinguished Researcher Award (2009) (college level)
- Kuwait University Best Young Researcher Award (2001) (college and university level)
- Turkish Government Outstanding Student Award and Scholarship (1988)
- Regional Best Student Award (1983)

### 8 Service Activities:

- Promotion Committee Coordinator (College of Architecture) (2023-present)
- Promotion Committee Member (2014-present except 2021/22)
- Graduate Committee member (2019-present)
- Programming Fundamentals TAG Coordinator (2021-2022)
- Assessment Committee Member (2021-2022)
- Capstone Design TAG Member (2022-2023)
- Promotion Committee Coordinator (2018-2021)
- Graduate Committee member (2019-present)
- Software Engineering (CpE221) Coordinator (2018-2019)

### 9 Publications and Presentations (from past five years):

- Ebrahim A. Alrashed, Mehmet Hakan Karaata, Ali Hamdan, Malicious Replica Quarantining Protocol for Mobile Wireless Sensor Networks using Replica Detection and Identification, To appear in *Internet of Things*
- Mehmet Hakan Karaata, Aysha Dabees, Fawaz Alazemi, A reliable concurrent multicast algorithm for content distribution. *Journal of Supercomputing* 78(8), pp. 10542-10574, 2022
- Mehmet Hakan Karaata, Ebrahim Alrashed, Mohammad Allaho, Self-stabilizing c-wave algorithms for arbitrary networks, *Computing*, DOI:<https://doi.org/10.1007/s00607-022-01110-4>, 2022
- Mehmet Hakan Karaata, Algorithms for Finding Diameter Cycles of Biconnected Graphs, *CIT. Journal of Computing and Information Technology*, 28(4), pp. 225–240 doi: 10.20532/cit.2020.1005136, 2020
- Mehmet Hakan Karaata, Anwar Nais AlMutairi, A Snap-Stabilizing m-wave Algorithm for Tree Networks. *Comput. J.* 63(2): pp. 220-238, 2020

- Mehmet Hakan Karaata, An Algorithm for Finding Two Node-Disjoint Paths in Arbitrary Graphs. *J. Comput. Inf. Technol.* 27(3): pp. 1-14, 2019
- Mehmet Hakan Karaata, An open modal stabilizing m-wave algorithm for arbitrary networks. *J. Parallel Distributed Comput.* 128: pp.15-29,2019

#### 10 Recent Professional Development Activities:

