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ASSISTANT PROFESSIONAL PROFESSOR
GRADUATE PROGRAM COORDINATOR OF MS: COMPUTER SCIENCE
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TEXAS A&M UNIVERSITY-CORPUS CHRISTI

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Education

- 2019 **Doctor of Philosophy**, *Texas A&M University - Corpus Christi*, Geospatial Computer Science
Thesis: Flood Simulation and Visualization Framework Using Position-Based Fluids
- 2013 **Master of Science**, *Texas A&M University - Corpus Christi*, Computer Science
Thesis: Automated musical transitions through rule-based synthesis using musical properties
- 2010 **Bachelor of Science**, *Istanbul Commerce University*, Computer Engineering

Academic Positions

Texas A&M University-Corpus Christi, Corpus Christi, TX – USA

- 2022 - **Assistant Professional Professor**
- 2019 - 2022 **Adjunct Faculty**
- 2013 – 2019 **Instructor**
- 2012 - 2013 **Research Assistant**

Istanbul Gedik University, Istanbul - Turkey

- 2021 - 2022 **Assistant Professor**, Department of Computer Engineering

Kadir Has University, Istanbul - Turkey

- 2020 - 2021 **Visiting Assistant Professor**, Department of Computer Engineering

Professional Memberships

Institute of Electrical and Electronics Engineers (IEEE)
IEEE Computer Society
IEEE Technical Community on Visualization and Graphics

Industry Positions

- 2010 - **Sound Designer**, *Grafiti Soft*, Istanbul, Turkey
- 2009 - **Summer Intern**, *Grafiti Soft*, Istanbul, Turkey
- 2008 - **Summer Intern**, *Adeko Software*, Bursa, Turkey

Professional Development

- 2024 - **ACUE Promoting Active Learning: Cohort T, Spring 2024**, Texas A&M University - Corpus Christi, 2024
- 2024 - **ACUE Effective Online Teaching Practices: Cohort G, Fall 2023 - Spring 2024**, Texas A&M University - Corpus Christi, 2023 - 2024
- 2023 - **ACUE Fostering a Culture of Belonging: Cohort N, Summer 2023**, Texas A&M University - Corpus Christi, 2023
- 2023 - **ACUE Effective Teaching Practices: Cohort D, Fall 2022 - Spring 2023**, Texas A&M University - Corpus Christi, 2022 - 2023
- 2019 - **Digital Dialogue Series**, Texas A&M University - Corpus Christi
- 2018 - **Digital Strategies Symposium**, Omni Hotel, Corpus Christi, TX, Dec 6, 2018
- 2017 - **Course Design and Development**, Texas A&M University - Corpus Christi, September 2017
- 2017 - **Course Delivery and Peer Review**, Texas A&M University - Corpus Christi, August 2017
- 2016 - **Professional Development in Best Practices for Online Course Design**, Texas A&M University - Corpus Christi, May 2016
- 2013 - **SACNAS National Conference & Special 40th Anniversary Celebration**, San Antonio, TX, October 3 - 6, 2013.

Licensures and Certifications

- 2024 – **Certificate in Effective Online Teaching Practices**, ACUE
- 2023 – **Certificate in Effective Teaching Practice Framework**, ACUE
- 2023 – **Fostering a Culture of Belonging**, ACUE
- 2017 – **Certificate of Course Design and Development**, TAMUCC
- 2017 – **Certificate of Course Delivery and Peer Review**, TAMUCC
- 2016 – **Certificate of Professional Development in Best Practices for Online Course Design**, TAMUCC
- 2009 – **Autodesk Certified 3D Modeling Expertise**, Bilisim Egitim Akademisi, Turkey

Administration and Service

Program Coordinator

- 2022 – **Graduate Program Coordinator**, MS:COSC Program, TAMUCC

Committee Work

- 2024 – **Chair**, Faculty Affairs Committee of the Faculty Senate (University), TAMUCC
- 2024 – **Senator**, Faculty Senate (University), TAMUCC
- 2024 – **Member**, Academic Integrity Pool (University), TAMUCC
- 2024 – **Member**, COECS Curriculum Committee (College), TAMUCC
- 2022 – **Member**, Grade Appeal Committee (College), TAMUCC
- 2023 – **Co-Chair**, Graduate Studies in Computer Science (Department), TAMUCC
- 2022 – 2024 **Member**, Academic Integrity Committee (University), TAMUCC

2023 – 2024 **Chair**, Awards and Scholarship Committee (College), TAMUCC
2022 – 2023 **Member**, Awards and Scholarship Committee (College), TAMUCC
2013 – 2019 **Faculty Associate**, Innovation in Computing Research (iCORE) Labs, TAMUCC
2013 – 2019 **Member**, Undergraduate Studies Committee, TAMUCC
2013 – 2019 **Member**, Intro Sequence Committee, TAMUCC
2013 – 2016 **Faculty Representative**, Student Endowment Scholarship Committee, TAMUCC
2013 – 2014 **Faculty Advisor**, Muslim Students' Association, TAMUCC

Teaching – Courses Taught

Texas A&M University - Corpus Christi

COSC 1100 – Skills for Computing Professionals I
COSC 1435 – Introduction to Problem Solving I
COSC 1436 – Introduction to Problem Solving II
COSC 2325 – Game Design
COSC 2437 – Data Structures
COSC 3324 – Object-Oriented Programming
COSC 3325 – Game Programming
COSC 3346 – Operating Systems
COSC 3351 – Internet Programming
COSC 3352 – Mobile Programming
COSC 3353 – Survey of Programming Languages
COSC 4100 – Skills for Computing Professionals II
COSC 4325 – Advanced Game Programming
COSC 4330 – Introduction to Artificial Intelligence
COSC 4342 – Computer Networks
COSC 4348 – Systems Programming
COSC 4353 – Compiler Construction
COSC 4360 – Theory of Programming Languages
COSC 4365 – Windows Security
COSC 6336 – Database Management Systems
COSC 6340 – Human-Computer Interaction
COSC 6351 – Advanced Computer Architecture
COSC 6352 – Advanced Operating Systems

Kadir Has University

CE 241 – Computer Programming II
CE 242 – Data Structures and Algorithms
CE 343 – Object-Oriented Programming Languages
CE 414 – Mobile Application Development
CE 469 – Game Programming

Istanbul Gedik University

BIL 203 – Object-Oriented Programming

BIL 312 – Internet Programming

BIL 405 – Academic English

BILS 417 – Game Programming

EMT 508 – Computer Application in Engineering Management

FAC 112 – Advanced Programming

MCTS 401 – Object-Oriented Programming

YZM 537 – Fundamentals of Artificial Intelligence

YZM 565 – Artificial Intelligence Applications with Prolog

Publications

Peer Reviewed Journal Articles

[1] Hadimlioglu, I. A. (2022). "A Decision Support Model for Improvement of Urban Resilience through Accessibility Analysis." International Journal of Environment and Geoinformatics. **9(4)**: 113-123.

[2] Karim, A. M.; Kaya, H.; Alcan, V.; Sen, B.; Hadimlioglu, I. A. (2022). "New Optimized Deep Learning Application for COVID-19 Detection in Chest X-ray Images." Symmetry. **14(5)**: 1003.

[3] Hadimlioglu, I. A.; King, S. A.; Starek, M. J. (2020). "FloodSim: Flood Simulation and Visualization Framework Using Position-Based Fluids." ISPRS Int. J. Geo-Inf. **9(3)**: 163.

[4] Hadimlioglu, I. A. and King, S. A. (2019). "City Maker: Reconstruction of Cities from OpenStreetMap Data for Environmental Visualization and Simulations" ISPRS Int. J. Geo-Inf. **8(7)**: 298.

[5] Hadimlioglu, I. A. and King, S. A. (2019). " Visualization of Flooding Using Adaptive Spatial Resolution." ISPRS Int. J. Geo-Inf. **8(5)**: 204.

[6] Hadimlioglu, I. A. and King, S. A. (2018). "Automated musical transitions through rule-based synthesis using musical properties." Entertainment Computing **28**: 59 - 67.

Other Publications

[1] Hadimlioglu, I. A. (2024). "OER Materials for Advanced Computer Architecture." Texas A&M University – Corpus Christi.

[2] Hadimlioglu, I. A.; Demir, K. A. (2023). "OER Materials for COSC 3324: Object-Oriented Programming." Texas A&M University – Corpus Christi.