AUS | الجامعة الأمريكية في الشارقة
American University of Sharjah

Volume 6, 2021

cse | COMPUTER SCIENCE & ENGINEERING
American University of Sharjah
United Arab Emirates

AUS CSE Highlights

CSE AT A GLANCE

FACULTY

9 Professors
1 Associate Professor
2 Assistant Professors
1 Visiting Professor
1 Visiting Assistant Professor
1 Senior Lecturer
2 Senior Lab Instructors
5 Lab Instructors

PROGRAMS OFFERED

Master of Science in Computer Engineering (MSCoE)
Bachelor of Science in Computer Engineering (BSCoE)
Bachelor of Science in Computer Science (BSCS)
Minor in Computer Engineering
Minor in Computer Science
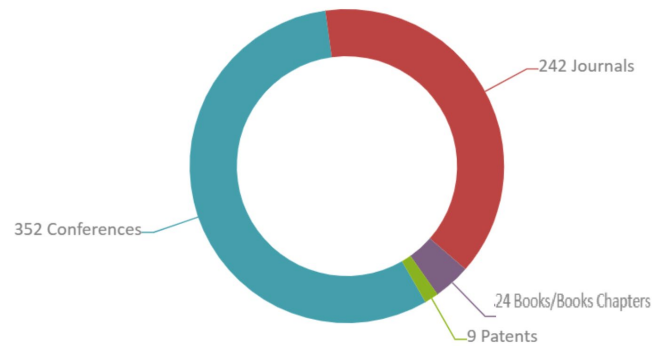Minor in Data Science (In collaboration with the Department of Mathematics and Statistics)

GENDER DISTRIBUTION

65% Men
35% Women

UG STUDENT ENROLLMENT

Year	Enrollment
2021	833
2020	671
2019	527
2018	439
2017	398
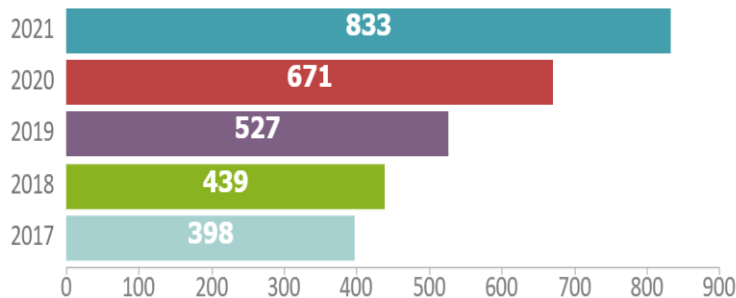
CSE PUBLICATIONS (2006-2021)

242 Journals
352 Conferences
24 Books/Books Chapters
9 Patents

NEWS

CSE enrollment continues to break records in 2021

Dec 20, 2021: The Department of Computer Science and Engineering (CSE) at the American University of Sharjah (AUS) welcomed around 276 new freshmen students in 2021. The number of undergraduate students in CSE is 833 (447 in Computer Engineering and 386 in Computer Science).

To learn more about CSE Statistics, click here.

CSE family welcomes two new members

Dec 20, 2021: The CSE family welcomed two new members during 2021.

Dr. Ali Shatnawi, Visiting Professor, joined in Fall 2021. He earned his Ph.D. in Electrical and Computer Engineering from Concordia University, Montreal, Canada. His present research includes Analysis of dataflow graphs, computer architecture, scheduling of iterative data flow graphs, and high-level synthesis for DSP applications.

Ms. Anjitha Mary Paul, Lab Instructor, joined in Fall 2021. She earned her M.Eng. in Computer Science and Engineering with First Rank from VMKV Engineering College, India. Her area of expertise includes big data, data analytics and strategic management information systems.

To learn more about CSE Faculty, click here.

CSE launches a student employment campaign

Dec 20, 2021: Continuing its efforts assisting students in securing jobs and internships, CSE launched a student employment campaign.

A portal was set listing students' expertise and a detailed process of recruitment to invite local and multinational companies to recruit CSE students. Despite the global restrictions caused by COVID-19, CSE successfully placed around 68 of its students into internships.

CSE graduates are highly employable and have joined the workforce with local and multinational companies both in UAE and abroad.

To learn more about CSE Internships, click here.

To learn more about Where did AUS CSE Graduates Work, click here.

American University of Sharjah - Computer Science & Engineering
CSE Technical Electives (2021-2022)

COE 444 - Computer Security

COE 49408 - Introduction to Biomedical Imaging
CMP 49410 - Intelligent Autonomous Robotics
CMP 494xx - Multi-Agent Systems (Pending)

COE 476 - Neural Networks and Deep Learning
CMP 333 - Artificial Intelligence
CMP 466 - Machine Learning and Data Mining

CMP 320 - Database Systems
CMP 450 - Object Oriented Software Engineering
CMP 454 - Software Testing and Quality Engineering

COE 341 - Computer Architecture and Organization
COE 425 - Modern Computer Organizations
COE 428 - VLSI Design
CMP 418 - Multicore Computing

COE 487 - Virtual and Augmented Reality
CMP 352 - Human Computer Interaction
CMP 430 - Computer Graphics

COE 370 - Communication Networks
COE 434 - Wireless and Mobile Networks
COE 481 - Real-Time Industrial Networks
COE 49409 - Computer Networks II
COE 49410 - Telecoms Networks Engineering
CMP 416 - Internet and Network Computing

COE 431 - Industrial Cyber Physical Systems
COE 457 - Internet and Internet of Things (IoT) Programming
CMP 354 - Mobile Application Development

CMP 404 - Cloud Computing

Wheel segments: Security Blockchain; Biomedical Robotics; Deep Learning Machine Learning Artificial Intelligence; Software Operating Systems; Computing CPU/GPU; Virtual Reality Augmented Reality; 5G Networks; Cloud; IoT Sensors Mobile; Power of Computer Science & Engineering (CSE)

CSE offers a new technical elective in 2021

Dec 20, 2021: CSE is proud to offer a rich list of technical electives to its students. A new technical elective was offered during 2021.

Telecoms Networks Engineering was offered in Fall 2021. The course focused on examining current topics in telecommunications networks. Moreover, the course covered network elements functions, access, metropolitan and transport network architectures, bandwidth considerations and multiplexing techniques, and current engineering practices in designing and optimizing telecommunications networks.

To learn more about CSE Curriculum, [click here.](#)

CSE alum leads international enterprise software company

Nov 29, 2021: As country manager at one of the leading providers of enterprise open-source solutions, American University of Sharjah (AUS) alumnus Ali Mohammed AlShami oversees the business operations of Red Hat in Saudi Arabia and Bahrain to ensure the company's success in a highly competitive business environment.

The 2009 computer engineering graduate said it was his passion for technology that led him to enter this field. "It was the primary reason for me to study computer engineering. I believed that majoring in this field will help me acquire and enhance my technical knowledge and critical skills that are crucial for supporting me throughout my career," he said.

To read more, [click here.](#)

AUS appoints new dean of college of engineering

Nov 22, 2021: Dr. Fadi Aloul, Professor and Head of the Computer Science and Engineering Department at AUS has been appointed Dean of the university's College of Engineering (CEN).

As he assumes his new position on January 1, 2022, he seeks to continue to enrich students' university experience and graduate professionals who have the skills and knowledge to contribute to the UAE's vision of becoming a competitive and diversified global economy that relies on innovation and entrepreneurship. He also aims to strengthen partnerships and collaborations with alumni, industry, government, and community.

To read more, [click here.](#)

CSE professor invited as a panelist at a Digital Transformation Summit

Nov 18, 2021: Dr. Imran Zualkernan, Professor in Computer Science and Engineering, was a panelist at the Digital Transformation Summit: UAE. The panel discussion was entitled "Driving the Enterprise Transformation with the Power of Cloud."

CSE invited to judge high school STREAM competition

Nov 8, 2021: Dr. Fadi Aloul, Professor and Head of the Computer Science and Engineering Department at AUS was an invited speaker at the GEMS Modern Academy first STREAM competition. The competition theme was Restore the Earth. Dr. Aloul participation was part of the CSE K-12 outreach program. In addition to Dr. Aloul speech, CSE Graduate Teaching Assistants Donthi Sankalpa and Jayroop Ramesh were part of the competition judging team.

To learn more about the CSE K-12 outreach program, [click here.](#)

CSE alumnus leads digital solutions company into the future

Nov 4, 2021: CSE alumnus Amin Al Zarouni was only 12 when his father bought him his first computer. His fascination with the "magic inside the box" grew as he started university, and lead to his graduation with a Bachelor of Science in Computer Engineering from AUS in 2007. Today, he is CEO of Sahab Smart Solutions, specializing in digital solutions, business applications and IT services as part of the Sharjah Asset Management Holding portfolio.

To read more, [*click here.*](#)

CSE faculty takes part in AUS Engineering in Medicine and Biology Society (EMBS) virtual talk

Oct 27, 2021: Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS, took part in AUS Engineering in Medicine and Biology Society (EMBS) virtual talk. The talk was entitled "Artificial Intelligence in Medical Imaging for COVID-19.

CSE alumna oversees cybersecurity at Expo 2020

Oct 27, 2021: When CSE alumna Eman Al Awadhi graduated in 2008 with a bachelor's degree in computer engineering, she did not imagine that one day she would be responsible for designing and implementing one of most advanced cybersecurity strategies at a World Expo.

As Vice President of Cybersecurity and Resilience at Expo 2020 Dubai, Al Awadhi is working with a team to secure a diverse, dynamic, and fast-evolving technology ecosystem capable of supporting 191 pavilions, businesses, multilateral organizations and academic institutions, along with millions of visitors from around the globe.

To read more, [*click here.*](#)

CSE faculty featured among top 2% scientists in the world

Oct 19, 2021: A recent study conducted by researchers at Stanford University has identified the top 2% scientists worldwide in their fields. The study is based on data from the Scopus database of abstracts and citations. The ranking of the top 2% scientists is based on their "career-long" citation impact up until the end of 2020. Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, and Dr. Tamer Shanableh, Professor of Computer Science and Engineering at AUS are among the list. The list also features nine other AUS faculty.

A second ranking of the top 2% scientists for the "year 2020" included Dr. Abdulrahman Al-Ali, Professor of Computer Science and Engineering at AUS, Dr. Tamer Shanableh, Professor of Computer Science and Engineering at AUS and Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS. The second list included a total of eighteen faculty from AUS.

To read more, [click here.](#)

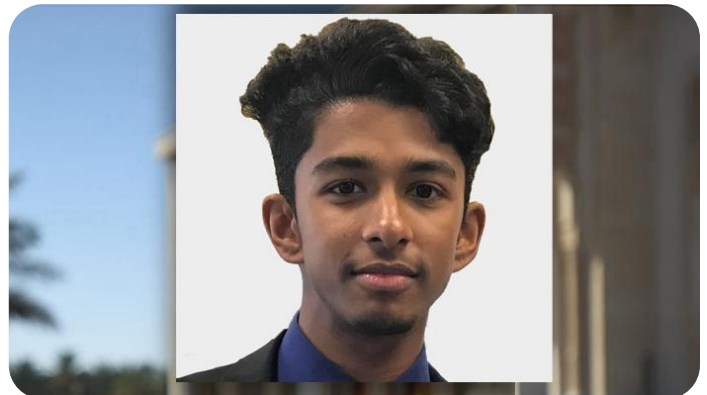## CSE professor invited as a speaker at an IEEE Young Professionals Webinar

Oct 14, 2021: Dr. A.R. Al-Ali, Professor of Computer Science and Engineering at AUS, was a guest Speaker at an IEEE Young Professionals online webinar. The webinar was entitled "Smart Cities Application Enable Technologies: from the Ground to the Cloud."

CSE student selected for global coding school

Oct 11, 2021: CSE student by day and coder by night, Radi Aman has just emerged from a 26-day immersive learning experience with 42 Abu Dhabi—a highly competitive nonprofit school that offers students the chance to deep dive into the world of coding.

To read more, [click here.](#)

CSE professor E-guest speaker at Al Nada National School

Oct 8, 2021: Dr. A.R. Al-Ali, Professor of Computer Science and Engineering at AUS, was a guest Speaker at Al Nada National school during a digital citizenship day. The focus of his talk was mainly on smart cities and recent emerging technologies.

CSE alumna finds her passion teaching computer science at prestigious UK university

Oct 6, 2021: It was hard work, a passion for learning and a strong support system that helped CSE alumna Ruba Abu-Salma attain the heights she has today.

The computer engineering major, who graduated magna cum laude in 2013, is now an Assistant Professor in Computer Science at King's College London (KCL), where she currently teaches a master's level course in security engineering and is an active researcher.

To read more, [click here.]

CSE faculty participates in Emirati Women's Day Celebration

Aug 26, 2021: Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS, took part in CEN Emirati Women's Day Celebration.

The celebration event theme was "Women: Ambitions & Inspiration for Next 50 years." The event also featured CSE Alumni Aisha Alowais as an invited speaker.

CSE students participate in the Second Design4Health Boot Camp

Aug 18, 2021: Three CSE students took part in the second Design4Health Boot Camp, a collaborative event hosted by AUS, Mohammed Bin Rashid University of Medicine and Health Sciences (MBRU), Imperial College London and Dubai Institute of Design and Innovation (DIDI). Over the course of two weeks, students had to find solutions to challenges presented by partnering hospitals from Dubai Health Care City (DHCC) and Dubai Health Authority (DHA).
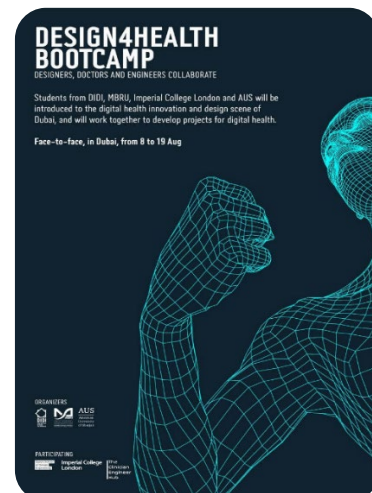
CSE the bedrock for tech entrepreneur's international success

Aug 8, 2021: CSE alumnus Benna Iqbal has always possessed an entrepreneurial spirit and a mindset that embraces innovation and critical questioning. It is these qualities that have stood him in good stead and brought him success in the highly competitive investment sector.

Iqbal started as a freelance web developer at the age of fifteen. While studying for his bachelor's degree in computer engineering at AUS College of Engineering (CEN), the young entrepreneur had already formalized his business. He established his first company called Global Invisions, which focused on software development projects and services.

To read more, [click here.](#)

AUS concludes successful 11th computing camp for high school students in the UAE

Jul 28, 2021: Demand in the UAE for those with coding skills is high, as evidenced by the launch of the UAE's National Program for Coders, the largest initiative to foster the development of coding talent in the country. American University of Sharjah (AUS) continues to develop promising young coders in the UAE through its annual computing camp.

To read more, [click here.](#)
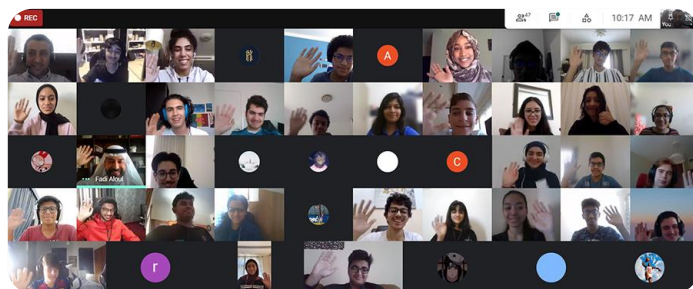
Three AUS teams shortlisted at the Ericsson's UAE Together Apart Hackathon

Jul 1, 2021: Three AUS teams were shortlisted among the top six winners of the Ericsson's UAE Together Apart Hackathon. The six winning teams were shortlisted from a total of twenty-six teams. The Hackathon is organized under the patronage of the UAE Ministry of Economy. All winning teams will showcase their solutions at the Swedish Pavilion in Expo2020.

The grand prize winner will get the chance to visit Ericsson's headquarters in Sweden to present the team's solution and interact with the entrepreneurial community. The three AUS projects are:
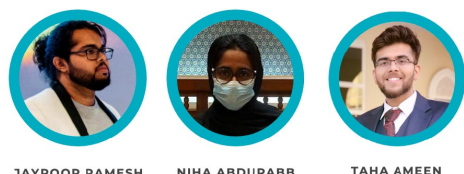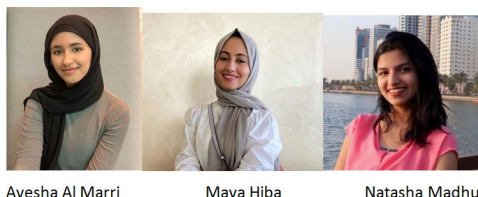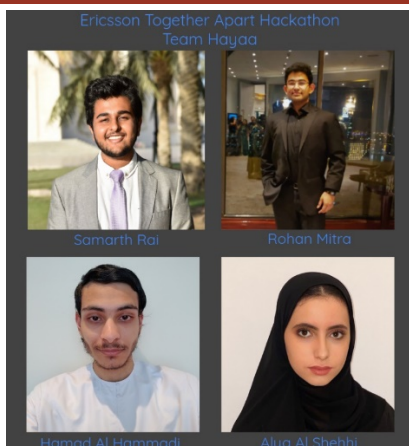
Hayaa

Members: Hamad Al Hammadi, Rohan Mitra, Alya Al Shehhi, Samarth Rai

Insights

Members: Ayesha Al Marri, Natasha Madhu, Maya Hiba

Mindspire

Members: Jayroop Ramesh, Niha Abdurabb Thodika, Taha Ameen Ur Rahman

Two CSE professors selected as affiliates in the Mohammed bin Rashid Academy of Scientists (MBRAS)

Jun 29, 2021: Dr. A. R. Al Ali, Professor of Computer Science and Engineering at AUS and Dr. Imran Zualkernan, Professor of Computer Science and Engineering at AUS, have been selected to be part of the Second Cycle of the Mohammed bin Rashid Academy of Scientists (MBRAS).

In addition to Dr. Al Ali and Dr. Zualkernan, the MBRAS list of members includes Dr. Fadi Aloul, Professor and Department Head of CSE, who was selected as a member in the First Cycle of the MBRAS membership.

CSE professor shares thoughts on grid and smart Cities

Jun 8, 2021: Dr. A.R. Al-Ali, Professor of Computer Science and Engineering at AUS, was a Keynote Speaker at the 5th International Conference on Smart Grid and Smart Cities, June 18-20, 2021, Tokyo, Japan.

School students from across the UAE participate in AUS School Computing Competition

May 4, 2021: More than sixty students from 23 schools from around the UAE competed in the 2021 AUS School Computing Competition held online recently.

Organized by CSE in collaboration with the Office of Enrollment Management at AUS, the competition was for students from schools that are part of the AUS Sharakah program, an AUS community engagement initiative that fosters partnerships between the university and select schools from around the country. The competition gives students hands-on experience in computer science and engineering and promotes the future career options of these influential fields.
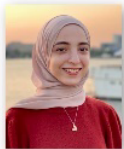
To read more, [click here.](#)
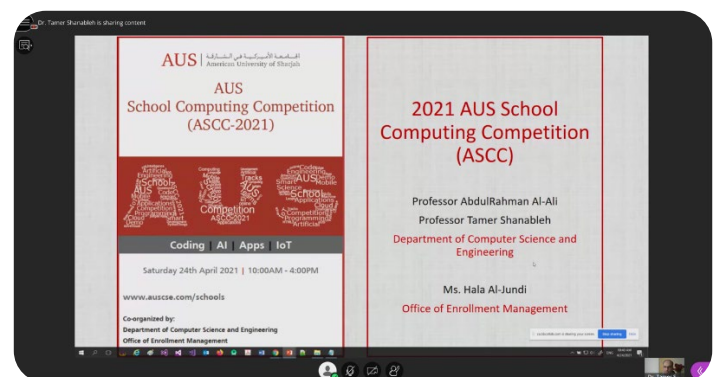
The Department of Computer Science and Engineering (CSE)

in collaboration with the

Upsilon Pi Epsilon (UPE) Honor Society

cordially invites you to the following talk:

"Women in CSE"

Presented by the following distinguished speakers

Ms. Hend ElGhazaly
CSE Lab Instructor
at AUS
Moderator

Ms. Naiyarah Hussain
Lead Developer
Advocate at IBM

Ms. Alia ElKattan
Digital Analyst at
McKinsey & Company

Ms. Salsabeel Shapsough
CSE Lab Instructor
at AUS

Date: Monday, 22rd of March 2021
Time: 6:00 pm – 7:00 pm
Location: http://bit.ly/WomenInCSE

Women in computer science: a conversation

Apr 15, 2021: CSE Students and faculty members had the opportunity to be part of a recent heart-to-heart conversation between four dynamic women working in the field of computer science that provided insights into their daily work life, the challenges women face in a male-dominated industry and their perceptions of it.

Naiyarah Hussain, Lead Developer Advocate at IBM; Alia El Kattan, Digital Analyst at McKinsey & Company; and AUS alumna Salsabeel Shapsough, Lab Instructor in Computer Science and Engineering at AUS, took part in a virtual talk entitled "Women in Computer Science" at AUS that was moderated by Hend ElGhazaly, Lab Instructor in Computer Science and Engineering at AUS.

To read more, click here.

Outstanding CSE students recognized at CSE Annual Awards

Apr 13, 2021: Achievements and contributions by CSE students were recognized at the first edition of the CSE Annual Awards held online recently.

Fourteen outstanding undergraduate and graduate students were honored across a number of categories, including academic achievement, research excellence, leadership, and community service. Additionally, one of the department's alumni was recognized for his commitment.

To read more, click here.

CSE conducted Online Programming contest

Apr 10, 2021: The AUS Programming Contest is an annual contest organized by CSE. The contest participation is open to all AUS undergraduate students. During the contest, participants compete in solving the highest number of problems in the shortest time.

The contest organizing committee consisted of Dr. Gerassimos Barlas, Professor in Computer Science and Engineering, Dr. Salam Dhou, Assistant Professor in Computer Science and Engineering, and Dr. Ghassan Qadah, Associate Professor in Computer Science and Engineering.

The contest was sponsored by Lockheed Martin.

To read more, click here.

CSE students volunteer to teach orphans basics of programming

Mar 25, 2021: Student volunteers from CSE have taught orphans and underprivileged adults the basics of physics, programming, and the applications of microcontrollers in nine online classes. The initiative forms part of the university's community engagement program.

In collaboration with the Community Services and Outreach office at AUS and the Sharjah Social Empowerment Foundation, 25 students in the IEEE SIGHT (Special Interest Group on Humanitarian Technology) Chapter at AUS taught learners between the ages of 15 and 22.

To read more, click here.

CSE students design an IoT-based smart cane for people with visual impairment

Mar 24, 2021: A team of students from CSE has designed an innovative smart cane to assist people with impaired vision as part of their graduation design project.

Computer science and engineering students Mariam Jamal Arshi, Reem Abdullah Al-Amiri, Fatima Hussein Arab, and Sarah Mohammed Al-Mazmi aimed to demonstrate how IoT can be used to address challenges facing people with disability. The project was supervised by Dr. Abdul Rahman Al-Ali, Professor in Computer Science and Engineering; Dr. Salam Dhou, Assistant Professor in Computer Engineering; and Ahmed Al-Nabulsi, Laboratory Instructor at the Department of Computer Science and Engineering at AUS.

The same project was also featured in multiple media portals as well as in the 4th issue of the Innovation@UAE Magazine issued by the Ministry of Education.

To read more, click here.

AUS celebrates International Women's Day

Mar 8, 2021: CSE faculty and students participated in the UAE Women in Data Science (WiDS) conference organized by WiDS UAE Ambassadors as part of the annual WiDS Worldwide conference held by Stanford University. The event features outstanding women and their work in the field of data science.

The conference showcased several senior design projects by female students at CSE. Moreover, the conference also hosted Dr. Salam Dhou, Assistant Professor in Computer Engineering at AUS, as a keynote speaker.

To read more, click here.

WEBINAR SERIES 1
Resilience and Continuity in Education: New Semester, New Ideas.
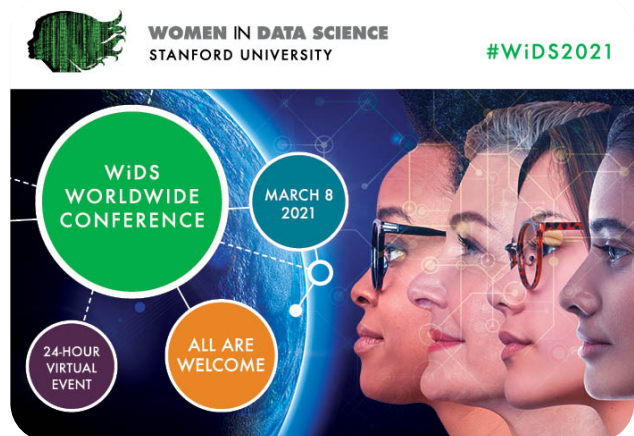
MAINTAINING EQUANIMITY IN THE LOSS OF EQUILIBRIUM:
NAVIGATING THROUGH THE PANDEMIC

Ms. Jessica Hench
Director of the Achievement Academy

Dr. Mark Avoyard
Associate Professor of Psychology, College of Arts and Sciences

Dr. Fadi Aloul
Professor and Department Head of Computer Science and Engineering

CITL
CENTER FOR INNOVATION IN TEACHING AND LEARNING

WEDNESDAY | MARCH 03, 2021 | TIME : 4:00 - 5:00 PM

CSE faculty participates in Center for Innovation in Teaching and Learning Webinar Series

Mar 3, 2021: Dr. Fadi Aloul, Professor and Department Head of CSE, participated as a panelist in the "Resilience and Continuity in Education: New semester, New ideas" webinar series organized by the AUS Center for Innovation in Teaching and Learning. The webinar was entitled "Maintaining Equanimity in the Loss of Equilibrium: Navigating through the Pandemic."

CSE faculty invited as a panelist at Roundtable Series organized by the UAE University Leadership Council

Mar 3, 2021: Dr. Fadi Aloul, Professor and Department Head of CSE, was a Keynote panelist at a Thought University Leadership Council (ULC) Roundtable Series organized by the UAE University Leadership Council. The roundtable discussion focused on cybersecurity and the move to a digital world after the pandemic.

The University Leadership Council
مجلس القيادات الجامعية

Public Health Conference
COVID-19 Response
25-27 Feb 2021
Virtual Conference

CSE faculty invited as a Keynote Speaker at the Public Health Conference COVID-19 Response

Feb 27, 2021: Dr. Fadi Aloul, Professor and Department Head of CSE, was a Keynote Speaker at Public Health Virtual Conference COVID-19 Response. Dr. Aloul keynote speech was entitled "The importance of AI and computing in health today."

CSE Professor featured in the Innovation@UAE Magazine

Feb 1, 2021: Dr. Fadi Aloul, Professor and Department Head of CSE, was featured in the Innovation@UAE Magazine issued by the Ministry of Education. Dr. Aloul article was entitled "Leading from The Front."

To read more, [click here.](#)

AWARDS

CSE students win high honors at IEEE UAE Student Day 2021

Dec 9, 2021: Three CSE student teams won high honors at the 15ᵗʰ IEEE UAE Student Day 2021 for their senior design projects.

Organized by the UAE Branch of the Institute of Electrical and Electronics Engineers (IEEE), the competition invites senior undergraduate students to present their graduation projects to a committee of judges. The projects are evaluated on originality and creativity, quality of technical content, results, attention to non-technical details and professionalism in oral presentation. The AUS teams placed second and third in the Computing and Robotics category and third in the Communications and Electronics category.

To read more, *[click here.](#)*

AUS students win first places at the Emirates Mars Mission's Planet X Challenge

Nov 19, 2021: Three AUS teams were among the finalists in the Emirates Mars Mission's Planet X Challenge which was hosted by Mohamed Bin Rashid Space Center and Fun Robotics. Dana Mohamed, Youssef Awad and Wisam Orabi secured the 1ˢᵗ place award. Samarth Rai, Rohan Mitra, Dara Varam and Mohammad Kharoub secured the second place. Amira El Nashar, Mikaela Makumbe and Mariyam Ahmed were among the Top 5 finalists.

The challenge was kicked off in September 2021, followed by a week of training in October/November 2021. The main challenge took place during the Dubai Airshow 2021, where high school and university students were required to create ground and aerial robots for reconnaissance missions on Planet X.

CSE team wins Best Short Paper Award at international conference

Aug 16, 2021: A team from CSE won the Best Short Paper Award at the 21st IEEE International Conference on Advanced Learning Technologies held recently.

Entitled "Unsupervised Clustering of Skills for an Online Learning Platform," the paper was co-authored by Afaf Ahmed, graduate student in computer engineering; Dr. Imran Zualkernan, Professor in Computer Science and Engineering and Hend Elghazaly, Computer Science and Engineering Lab Instructor.

To read more, click here.

CSE team among recipients of best paper presentation award at international conference

Jul 8, 2021: A paper written by a team from CSE was among the recipients of the Best Paper Presentation Award at the fifth International Conference on Smart Grid and Smart Cities held in Tokyo, Japan, recently.

Entitled "IoT-Based Shared Community Transportation System Using e-Bikes," the paper focused on solar-powered electronic bikes that are operated by a system supported by Internet of Things (IoT) technologies. Supported by a grant from the AUS Research Office, it was co-authored by Dr. Abdulrahman Al-Ali, Professor in Computer Science and Engineering and lead researcher, Dr. Ra'afat Aburukba, Assistant Professor in Computer Science and Engineering, Ahmad Al Nabulsi, Lab Instructor at College of Engineering, and computer science and engineering alumni Ahmed Riaz, Danayal Khan, Shavaiz Khan and Moustafa Amer.

To read more, click here.

AUS team wins top honors at Injaz Company Program

Jul 1, 2021: A team of budding entrepreneurs from CSE recently won the Product of the Year award at the Injaz Company Program 2020–2021. Competing against six other teams from four universities, the AUS team was required to conceptualize and form a start-up by developing a team, building products and prototypes, selling shares, and finally pitching the start-up idea to a panel of expert judges from a variety of sectors in UAE.

The main vision of the team's winning start-up, entitled Hydroot, is to have a farmer in every house. It envisages selling small-scale sustainable hydroponic kits, similar in size to a medium household vase, to enable its customers to grow fruits and vegetables in their own homes.

To read more, click here.

CSE graduate student honored at University Awards for Excellence in Graduate Studies

Jun 13, 2021: AUS honored CSE graduate student Sakib Shahriar at the University Awards for

Excellence in Graduate Studies for academic year 2020-2021. Shahriar won The Graduate Student Research, Scholarly and Creative Work Excellence Award.

The award recognizes outstanding contribution to research, scholarly and creative work at the university and contributions to the advancement of knowledge in the candidate's field.

CSE lab instructor wins the CEN 2021 Excellence in Lab Instruction Award

May 23, 2021: CSE Lab instructor Sameer Alawnah has been recognized for his commitment to student outcomes, receiving the College of Engineering's (CEN) 2020–2021 Excellence in Laboratory Instruction Award.

Sameer received the award for his contribution to student success in computing labs. The award selection criteria were based on student evaluations, department head reviews, dean reviews, teaching contributions and innovations, labs maintenance and safety improvements, as well as professional development.

Innovative projects by CEN students unveiled at 20th Annual Engineering Senior Design Project Competition

May 21, 2021: Organized every year by CEN, the competition encourages students to adopt innovative, sustainable, and entrepreneurial approaches in their capstone design projects. Participating students presented their work before their peers, CEN faculty, and judging panels that comprised of CEN alumni and industry experts.

The winners from CSE were:

* First Place: VR Gamification of Digital Systems Lab, by students Shahd Abdelmeguid, Iffa Afsa Changaai Mangalote, Ghazzal Jastaniah, Seyed Foad Zandavi advised by Dr. Hicham Hallal & Dr. Osameh Al-Kofahi

* Second Place: Detection of Student Engagement in Online Learning, by students Ayesha Al Marri, Maitha Alnaqbi, Maya Hiba, Natasha Madhu advised by Dr. Tamer Shanableh

* Third Place: Acoustic Wildlife Monitoring of Bats, by students Azadan Bhagwagar, Priyanka Chand, Taslim Mahbub advised by Dr. Imran Zualkernan

CSE student team wins Best Paper award at IEEE conference

Feb 15, 2021: A team from CSE that developed an innovative solution to a pervasive problem afflicting the global medical industry has been awarded Best Paper at the IEEE 2020 International Conference on Internet of Things and Intelligence System (IoTaIS 2020) held recently in Indonesia.

The paper presents the outcomes of the team's senior design project in the Bachelor of Science in Computer Engineering program. Computer engineering majors Omar El Boutari, Tasneem Batool and Mostafa Abuelnoor, mentored by Dr. Fadi Aloul, Professor and Head of the Department of Computer Science and Engineering, and Dr. Assim Sagahyroon, Professor of Engineering and Associate Dean of the AUS College of Engineering, collaborated to address the issue of medical no-shows—appointments that a patient misses without prior cancellation.

To read more, [click here.](#)

CONTACT

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and
Bachelor of Science in Computer Science (BSCS)

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🐦 AUS_CSE   in AUS Computer Science & Engineering (CSE)

AUS CSE Highlights Editorial Team: Dr. Fadi Aloul, Praveena Kolli and Ahmad Al Nabulsi
AUS CSE Highlights Cover Photo: Mostafa Ajjawi