AUS | الجـامـعـة الأمـيـركـيـة في الـشـارقـة
American University of Sharjah

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

Volume 5, 2020

AUS CSE Highlights

CSE AT A GLANCE

FACULTY

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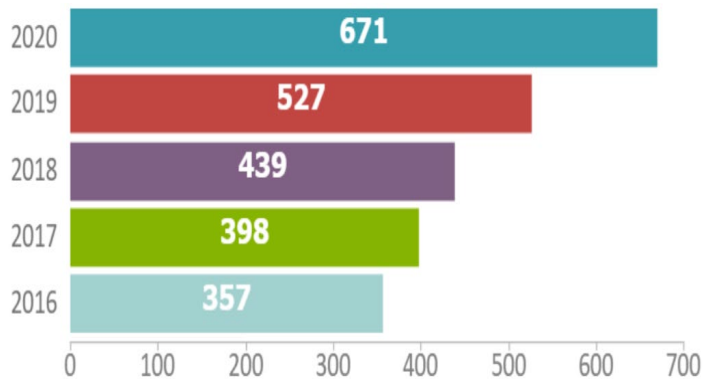2 Senior Lab Instructors
5 Lab Instructors

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
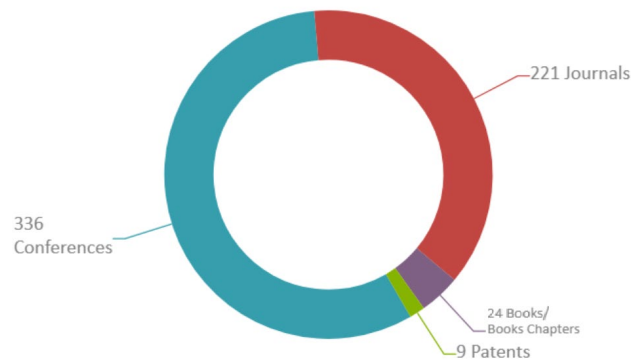Department of Mathematics and Statistics)

GENDER DISTRIBUTION

65% Men
35% Women

STUDENT ENROLLMENT

Year	Enrollment
2020	671
2019	527
2018	439
2017	398
2016	357

CSE PUBLICATIONS (2006-2020)

221 Journals
336 Conferences
24 Books/Books Chapters
9 Patents

CSE celebrates Fall 2020 graduates

Jan 1, 2021: In Fall 2020, 35 students graduated with degrees in Master of Science in Computer Engineering (MSCoE), Bachelor of Science in Computer Engineering (BSCoE), and Bachelor of Science in Computer Science (BSCS). Due to the COVID-19 pandemic, the university official commencement ceremony was postponed until further notice.

CSE faculty and staff put together a postcard to congratulate the graduates.

To view the card, [*click here.*](#)

CSE celebrates Spring 2020 graduates

May 21, 2020: In Spring 2020, 35 students graduated with degrees in Master of Science in Computer Engineering (MSCoE), Bachelor of Science in Computer Engineering (BSCoE), and Bachelor of Science in Computer Science (BSCS). Due to the COVID-19 pandemic, the university official commencement ceremony was postponed until further notice.

CSE faculty and staff put together a short video to congratulate the graduates.

To view the video, [*click here.*](#)

NEWS

CSE enrollment continues to break records in 2020

Sep 15, 2020: CSE welcomed around 220 new freshmen students in 2020. The number of undergraduate students in CSE is 671 (368 in Computer Engineering and 303 in Computer Science).

To learn more about CSE Statistics, *click here.*

CSE undergraduate programs accreditation renewed

Aug 31, 2020: The Bachelor of Science in Computer Engineering (BSCoE) and the Bachelor of Science in Computer Science (BSCS) at AUS have been reaccredited for another five years by the Commission for Academic Accreditation (CAA) of the Ministry of Education's Higher Education Affairs Division in the United Arab Emirates.

To learn more about CSE Programs Accreditation, *click here.*

CSE family welcomes two new members

Sep 15, 2020: The CSE family welcomed two new members during 2020.

Mohammed Elnawawy, Lab Instructor, joined in Spring 2020. He earned his BS and MS in Computer Engineering from the American University of Sharjah (AUS), UAE. His areas of expertise include field-programmable gate arrays, machine learning, computer networks and embedded systems.

Salsabeel Shapsough, Lab Instructor, joined in Fall 2020. She earned her BS and MS in Computer Engineering from the American University of Sharjah (AUS), UAE. Her areas of expertise include Internet of Things, smart education technologies, and smart energy.

To learn more about CSE Faculty, *click here.*

CSE launches a student employment campaign

Jan 1, 2021: The CSE department launched a student employment campaign to assist CSE students in securing jobs and internships.

A career portal was setup that lists students' expertise. In addition, recruitment guidelines were shared with employers locally and internationally.

Despite the global lockdown caused by COVID-19, CSE successfully placed around 100 of its students in various internships, many of which were virtual, during 2020.

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.

CSE offers a new professional Amazon Web Services (AWS) Academy Cloud Foundations course

Jan 1, 2020: A new professional AWS Academy Cloud Foundations course will be offered by the AUS AWS Academy during Winter 2021. The course is intended for students who seek a foundational understanding of AWS cloud computing technology. This course provides a detailed overview of cloud concepts, AWS services, security, architecture, pricing, and support. The course contains 20 hours of course content and prepares students to pursue an AWS Certified Cloud Practitioner certification.
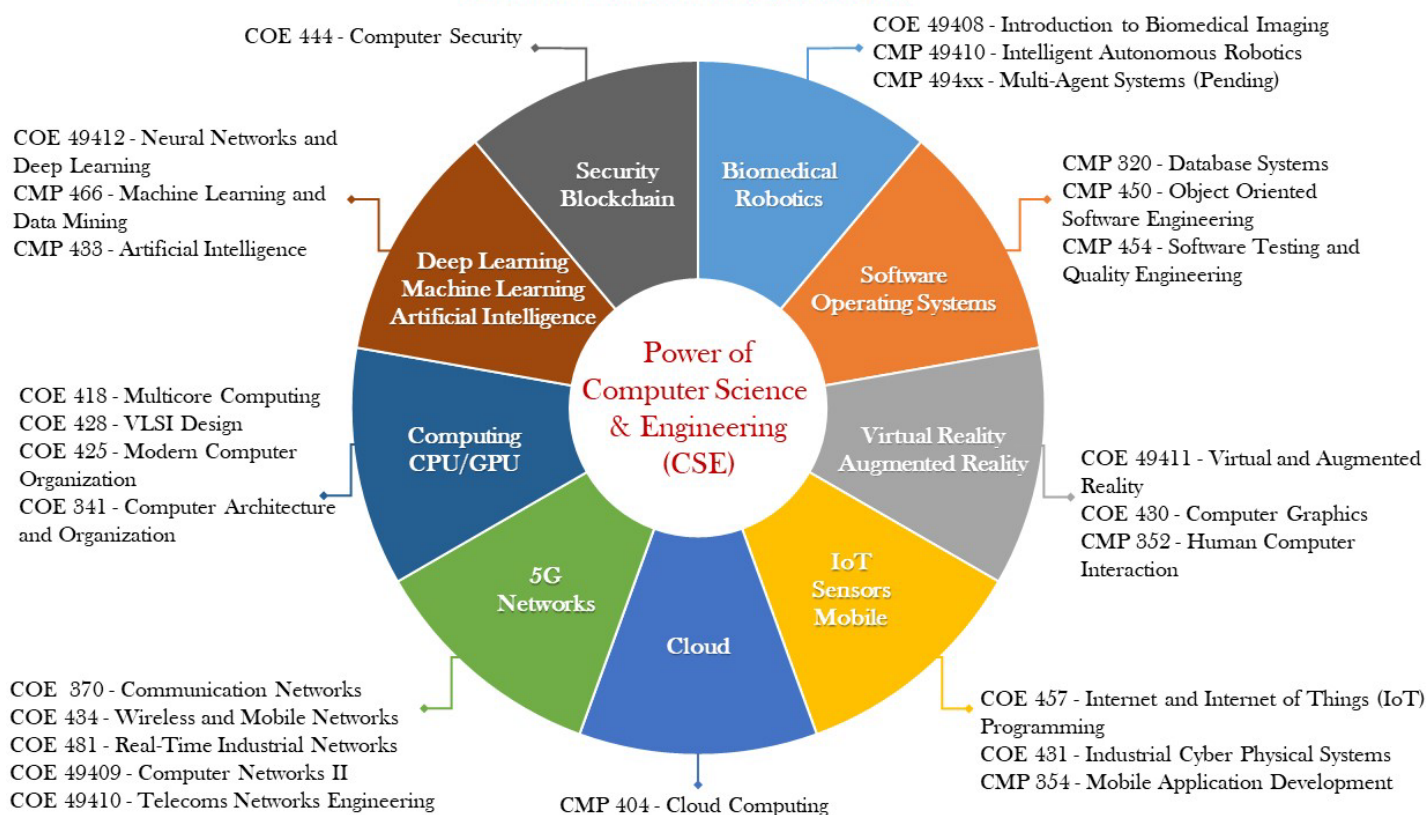
In addition to the AWS Academy, CSE hosts:
- CISCO Academy
- HP Institute
- Red Hat Academy
- VMware IT Academy
- SAP Academy

To learn more about CSE Certifications, click here.

CSE Technical Electives (2020-2021)

COE 444 - Computer Security

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

COE 49412 - Neural Networks and Deep Learning
CMP 466 - Machine Learning and Data Mining
CMP 433 - Artificial Intelligence

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

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

COE 49411 - Virtual and Augmented Reality
COE 430 - Computer Graphics
CMP 352 - Human Computer Interaction

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 404 - Cloud Computing

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

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 three new technical electives in 2020

Jan 1, 2021: The Department of Computer Science and Engineering (CSE) at the American University of Sharjah (AUS) is proud to offer a rich list of technical electives to its students. Three new technical electives were offered during 2020.

Neural Networks and Deep Learning was offered in Spring 2020. The course focused on various types of neural networks including feedforward networks, auto-encoders, convolutional neural networks, and recurrent neural networks. Moreover, the course discussed topics in generative deep learning.

Industrial Cyber Physical Systems was offered in Fall 2020. The course focused on Cyber Physical Systems' conceptual model and layers, microprocessor-based data acquisition units and their industrial applications in the Cyber Physical Systems, programmable logic controllers and their industrial applications in the Cyber Physical Systems, web-based monitoring, and control of industrial plants, as well as recent development in industrial automation.

Intelligent Autonomous Robotics was offered in Fall 2020. The course Introduced the fundamental concepts, principles, and algorithms for perception, computation, and action in the physical world. Moreover, the course studied robot tasks and architectures, sensors and vision, localization, mapping, manipulation, motion planning and navigation. Finally, the course examined selected advanced topics such as geometric reasoning, autonomous exploration, as well as case studies such as autonomous vehicles for smart cities.

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

CSE professor shares thoughts on AI-Powered Education

Dec 21, 2020: COVID-19 has accelerated the digital transformation of the education sector. This transformation came with many educational management and technical challenges. Those challenges were discussed in a panel at the edX Accelerate Education Summit. The virtual panel featured prominent speakers from across the UAE higher educational sectors.

During the summit, Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, shared his thoughts on the role of AI in the new trends of education.

Prominent industry professionals and academics discuss novel photodetector design techniques at CSE

Dec 14, 2020: Students and faculty at CSE learned about novel design techniques for photodetectors and unprecedented advancements in light absorption efficiency in optical devices during a recent virtual lecture from an innovative California tech start-up company.

Dr. Taha Landolsi, Professor of Computer Science and Engineering and event organizer, explained the important role photodetectors play: "Photodetectors are sensors that can convert the photon energy of light into electrical signals. This is necessary for various scientific implementations, such as communication; light detecting and ranging, which is a remote sensing method that uses light in the form of a pulsed laser to measure ranges; and advanced bio-imaging and sensors, which relates to non-invasive methods to visualize biological processes in real time; and highly efficient solar cells."

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

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American University of Sharjah

The Department of Computer Science and Engineering (CSE)

cordially invites you to the following talk:

"Recent Advances in Photosensors Technology: Photon Trapping by Black Holes in Silicon"

Presented by distinguished speakers from W&Wsens Devices, Inc. and the University of California, Davis

Dr. SY Wang   Dr. Aly Elrefaie   Dr. Saif Islam   Mr. Lihan Wan

CSE faculty invited as a panelist at a leading cyber security conference

Dec 09, 2020: Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, was a Panelist at the Gulf Information Security Expo and Conference (GISEC 2020). The panel discussion title was "AI and Cyber Security."

CSE faculty participates in Faculty Development Center panel

Dec 09, 2020: Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS, participated as a panelist in the "Ideas for Assessment" workshop organized by the AUS Faculty Development Center. The panelists shared their perspectives and approaches to end-of-semester and final assessment.

CSE faculty featured in Pulse 95 Radio Future Talk

Dec 03, 2020: Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, was featured in a radio episode of Pulse 95 Radio Future Talk.

During the episode, Dr. Aloul discussed what makes UAE the perfect hub for innovation and why students are excited about Computer Science and Engineering fields.

Industry expert introduces CSE students to Amazon web services

Nov 30, 2020: In an engaging webinar, various aspects of the increasingly influential fields of cloud computing using Amazon web services were introduced to CSE students.

Marwan Al Shawi, AWS Solution Architect at Amazon, spoke about the fundamentals of cloud computing and how AWS technology solutions are helping organizations across the globe to innovate and glow.

The webinar was organized in collaboration with the Open Source Student Club.

CSE professor shares Smart Cities expertise with global audiences

Nov 18, 2020: With development in Smart Cities picking up pace all around the world, Dr. Abdulrahman Al-Ali, Professor of Computer Science and Engineering at AUS, has become a sought-after speaker for his expertise on the subject. Professor Al-Ali recently delivered the engaging lecture "Smart Cities from the Ground to the Cloud" at the HKBK College of Engineering in Bengaluru, India, highlighting how governments, businesses, industry, academia, and the global civil society should work together to better understand emerging trends and how best to implement them in order to build efficient, sustainable and environmentally friendly smart city services.

Dr. Al-Ali, who previously delivered this talk at international conferences such as the Fourth International Conference on Smart Grid and Smart Cities held in Osaka, Japan, and at The Internet of Things Conference held in India, is scheduled to speak on the subject at the forthcoming Arab ICT Forum 2020 in Bahrain next month, as well as at the Fifth International Conference on Smart Grid and Smart Cities slated to be held in Tokyo, Japan next June.

To read more, *click here.*

Smartwatch to Play Role of Classroom Observer, Boosting Educational Quality

Nov 17, 2020: For disadvantaged school children, improving the quality of education they receive can have a life-changing impact, making global improvement of education is one of the United Nation's Sustainable Development Goals. One way education quality can be improved is through classroom observation and evaluation, in line with international best practices. However, for underprivileged schools across the world, the costs associated with such classroom observations are often prohibitive.

Dr. Imran Zualkernan, Professor of Computer Science and Engineering at AUS, is tackling this problem, developing technology for smartwatches that substitutes the role of a physical observer.

To read more, *click here.*

CSE launches Annual Awards

Nov 16, 2020: To recognize the contributions and achievements of undergraduate and graduate students studying computer science and engineering at AUS, CSE has announced the launch of the Annual CSE Awards.

The awards, to be presented for the first time this year, will be given in the following nine categories:
1. CSE Undergraduate Academic Excellence Award
2. CSE Graduate Academic Excellence Award
3. CSE Undergraduate Research Excellence Award
4. CSE Graduate Research Excellence Award
5. Outstanding CSE Student Leadership Award
6. Outstanding CSE Student Community Service Award
7. Outstanding CSE Graduate Teaching Assistant Award
8. Outstanding CSE Student Talent Award
9. Most-Engaged CSE Alumni Award

To read more, click here.

CSE faculty invited as a panelist at the GCC eHealth conference

Nov 16, 2020: Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS, was a Panelist at the GCC eHealth Workforce Development Conference (eHWDC 2020).

The panel discussion title was "Matchmaking clinicians and data scientists: Better interactions for insightful AI projects."
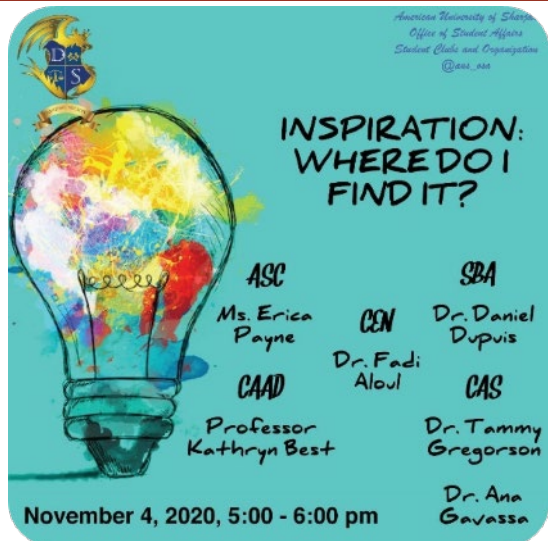
CSE faculty featured among top 2% scientists in the world

Nov 9, 2020: 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 2019. Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, is one of 9 AUS faculty included in the list.

A second ranking of the top 2% scientists for the "year 2019" included Dr. Abdulrahman Al-Ali, 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 17 faculty from AUS.

To read more, click here.

CSE faculty discusses finding inspiration in an AUS debate society event

Nov 3, 2020: Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, took part in an AUS debate society event called "Inspiration: Where do I find it?"

During the interactive session, different professors from all around AUS gave their input on where they find inspiration.

CSE faculty takes part in Women in STEM panel discussion

Nov 3, 2020: Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS, took part in the AUS Physics Club Women in STEM panel discussion.

The panel highlighted the progress, achievements and barriers faced by women in STEM fields.

CSE faculty takes part in AUS Engineering in Medicine and Biology Society (EMBS) student chapter awareness month

Oct 28, 2020: Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS, took part in AUS Engineering in Medicine and Biology Society (EMBS) Club breast cancer awareness month.

Dr. Salam's webinar was entitled "Toward a clinical decision support system for the classification of breast masses using machine learning."

AUS course showcased in global webinar series

Oct 25, 2020: Representatives of CEN shared insights on programs aimed at increasing diversity in engineering during a recent webinar of the International Federation of Engineering Education Societies (IFEES)/Global Engineering Deans Council (GEDC). The global event focused on programs honored by the Airbus-GEDC Diversity Award.

Dr. Sirin Tekinay, Dean of the AUS College of Engineering (CEN) and Chair of GEDC, chaired the global webinar and Dr. Fadi Aloul, Head of the Department of Computer Science and Engineering and 2015 Airbus-GEDC Diversity Award winner, participated in the panel, which featured a select group of relevant intellectual leaders interacting with a global audience of around 500.

To read more, *click here.*

CSE senior students visit Sharjah Technology and Innovation Park (SRTIP)

Oct 21, 2020: Students from COE 490 Senior Design Project along with their advisor Dr. Abdul Rahman Al-Ali, Professor of Computer Science and Engineering at AUS, had a field visit to Sharjah Technology and Innovation Park (SRTIP). The visit is part of the industrial collaboration between Merlin Smart Farm (Aquaponics Farm) and the CSE team in their senior design project entitled "IoT Based Smart Greenhouse Irrigation System."

CSE faculty discusses the world of online learning and development

Aug 27, 2020: Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, took part as a panelist in the Virtual Bahrain Online Conference and Exhibition (VBOC 2020).

The panel was entitled "Insights into the world of online learning and development."
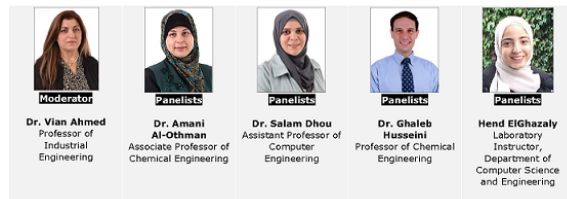
CEN Webinars and Lecture Series:

Teaching behind closed doors and learning from our practices amid covid-19

August 31, 2020
5:00–6:00 p.m.
Location: Click here for event link

Despite the availability of technology and different teaching and learning platforms for universities around the world, there is no doubt COVID-19 has taken the academic world by surprise, forcing it to migrate online. The College of Engineering at AUS will host a webinar and share some of the lessons learnt following a semester of online delivery. This webinar will share the results of students' surveys of the preferred good practices in relation to online teaching in Spring 2020 and discuss how to build on these experiences for the next cycle of online teaching.

Moderator
Dr. Vian Ahmed
Professor of Industrial Engineering

Panelists
Dr. Amani Al-Othman
Associate Professor of Chemical Engineering

Panelists
Dr. Salam Dhou
Assistant Professor of Computer Engineering

Panelists
Dr. Ghaleb Husseini
Professor of Chemical Engineering

Panelists
Hend ElGhazaly
Laboratory Instructor, Department of Computer Science and Engineering

CSE faculty participate in CEN Webinars and Lecture Series

Aug 27, 2020: Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS, and Hend Elghazaly, Lab Instructor of Computer Science and Engineering at AUS, took part in one of the CEN Webinars and Lecture Series.

The webinar was entitled "Teaching behind closed doors and learning from our practices amid covid-19."

CSE faculty presents in Faculty Development Center Virtual Lounge

Aug 27, 2020: Dr. Abdul Rahman Al-Ali, Professor of Computer Science and Engineering at AUS, took part in discussing Summer 2020 online courses teaching experience in the AUS Faculty Development Center Virtual Lounge.

The lounge talk was entitled "Beyond "Making it Work"."

CSE faculty takes part in UAE Ministry of Advanced Sciences talk series

Aug 3, 2020: Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, took part in a talk series by the UAE Ministry of Advanced Sciences. The series was targeted to UAE high school students at it was called "Science in Progress."

Dr. Aloul's talk was entitled "Why now is the best time to specialize in computer engineering or science?"

Students from across the UAE participate in popular AUS computing camp

Jul 26, 2020: The Eighth American University of Sharjah (AUS) Computing Camp proved to be a hit with high school students from across the country, who enjoyed learning and working remotely on various computing subjects for six days.

More than 200 high school students from 57 high schools applied to attend the camp, which is offered by the AUS Department of Computer Science and Engineering (CSE). A shortlist process narrowed the number of participants down to 50 students from 23 schools studying in grades 10–12. Participating students were divided into two batches of 25 students each who worked with seven CSE lab instructors in parallel sessions every day.

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

CSE faculty moderates a webinar on hiring for the fourth industrial revolution

Jul 7, 2020: Dr. Abdul Rahman Al-Ali, Professor of Computer Science and Engineering at AUS, moderated an industrial panel entitled "Hiring for the fourth industrial revolution."

The panel was organized by the AUS Office of Advancement and Alumni Affairs (OAAA).

CSE professor delivers first webinar on smart cities organized by UAE Society of Engineers

Apr 13, 2020: The COVID-19 pandemic has made the world realize the importance of smart cities' applications bringing to the fore the role of technology in our everyday lives. A faculty member from the College of Engineering (CEN) at AUS recently delivered the first webinar on the subject organized by the UAE Society of Engineers, entitled "Smart Manufacturing Enabling Technologies in Smart City."

The webinar discussed conceptual models of digital and virtual twins, their benefits and applications in services, and research activities in the field. Presented by Dr. Abdul Rahman Al-Ali, Professor of Computer Science and Engineering at AUS, the online session was attended by more than 100 participants from across the UAE, the Middle East and Europe.

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

Big data leads to big opportunities for AUS students and researchers

Mar 9, 2020: With digital information now being generated at a frequency inconceivable even just a decade ago, a new wave of data experts is finding new and novel ways of exploiting this data avalanche, to the benefits of individuals and organizations across the globe.

For the wider population, leaps in big data research, including that being undertaken at AUS, will have increasing influence on the way in which we all live our lives. Dr. Imran Zualkernan, Professor of Computer Science and Engineering at AUS, is investigating how big data can support artificial intelligence and machine learning. According to Dr. Zualkernan, the Internet of Things (IoT)—the billions of physical devices connected to the internet, collecting and sharing data—is at a tipping point. He believes that big data research in the sectors of energy, education, transportation, technology and the environment will overcome some of the challenges currently facing governments in the Middle East and across the world.

To read more, *click here.*

CSE alumna one of special few selected for Cornell-funded Data Incubator Fellowship

Feb 19, 2020: AUS graduates continue to make their presence known on a global scale, with Master of Science in Computer Engineering graduate Rwan Mohammed accepted into the highly-competitive Data Incubator Fellowship program. She was one of the 61 successful applicants for the 2020 fellowship, selected from over 3,000 applicants from some of the world's most prestigious universities.

The Data Incubator Fellowship is funded by Cornell University, offering distinguished PhD and master's degree students like Mohammed the opportunity to take part in a fellowship program that places them at the cutting-edge of the data science profession. Partners of the Data Incubator include corporations such as LinkedIn, Pfizer and Google, providing these data-hungry giants with access to some of the most talented data graduates available. The intensive eight-week program is attended by fellows in either New York City, the San Francisco Bay Area or Washington, DC.

To read more, *click here.*

CSE organizes the AUS Programming Contest

Feb 1, 2020: CSE has organized the annual AUS Programming Contest. During the contest, participants competed in solving the highest number of problems in the shortest time.

The contest organizing committee consisted of Dr. Gerassimos Barlas, Dr. Ghassan Qadah, and Dr. Salam Dhou. The contest was organized in collaboration with the AUS UPE Honor Society and the Computer Engineering Club.

CSE professor takes part in The Education Growth Summit

Jan 22, 2020: Dr. Fadi Aloul, Professor and Department Head of Computer Science and Engineering at AUS, took part in the 2nd edition of "The Education Growth Summit" (TEGS 2020) in Sharjah.

The summit was hosted by Expo Centre Sharjah during the 16th International Education Show.

AWARDS

CSE student research wins top honors at Global Undergraduate Awards 2020

Sep 30, 2020: In the 2020 edition of the Global Undergraduate Awards, an AUS computer science team won a regional award for utilizing deep learning and the Internet of Things (IoT) to develop a system that helps label camera traps used to capture images of animals in the wild. The team, which comprised computer engineering alumni Ali Reza Sajun, Lana Alhaj Hussein, Dara Sakhnini, and student Brylle Ryan Gomez, worked with Emirates Nature-WWF, which provided them with guidance and data throughout the process.

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

CSE professor wins "best paper" award at the Artificial Intelligence for Good Conference

Sep 23, 2020: Dr. Imran Zualkernan, Professor of Computer Engineering, won the "best paper" award at the 2020 Artificial Intelligence for Good Conference held in conjunction with the Good Global Summit. The paper was entitled "Towards an Audio-based CNN for Classroom Observation on a Smartwatch."

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

CSE faculty and students collaborate on award-winning paper

Aug 6, 2020: Faculty members from the College of Engineering (CEN) at AUS recently collaborated with their students on a conference paper which won the Best Short Paper Award at the 20th International Conference on Advanced Learning Technologies and Technology-enhanced Learning (ICALT) held in Tartu, Estonia last month.

The paper was authored by Dr. Imran Zualkernan, Professor of Computer Engineering, and Dr. Fadi Aloul, Head of the Department of Computer Science and Engineering; along with students Eilaf Algebail, Mohamed El Refaay, Abdulkarim Ali and Omar El Sabaa.

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

Elnawawy honored at University Awards for Excellence in Graduate Studies

May 31, 2020: AUS honored graduate student Mohammed Elnawawy at the University Awards for Excellence in Graduate Studies for academic year 2019–2020 held online recently.

Eight nominees from across AUS graduate programs vied for top honors in two categories: The Graduate Student Research, Scholarly and Creative Work Excellence Award, and the Graduate Student Academic and Leadership Excellence Award. Winners were selected by a committee of AUS faculty members.

The Graduate Student Research, Scholarly and Creative Work Excellence Award was presented to Mohammed Elnawawy of the Master of Science in Computer Engineering program at the College of Engineering. This 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.

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

1st Place
Smart Campus Mobility System

2nd Place
Camera Trap Image Classification Using Deep Learning on Edge Devices

3rd Place
Elderly Behavioral Monitoring System

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

May 21, 2020: Around 20 senior engineering capstone projects from the College of Engineering (CEN) at AUS competed for top honors at the 20th Annual Engineering Senior Design Project Competition held virtually on May 8. 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 via video before their peers, CEN faculty, and judging panels that comprised CEN alumni and industry experts.

Department: Computer Science and Engineering:
* *First Place*: Smart Campus Mobility System, by students Moustafa Tarek Amer, Danyal Amir Khan, Shavaiz Ahmad Khan, Ahmed Riaz

* *Second Place*: Camera Trap Image Classification Using Deep Learning on Edge Devices, by students Lana Hasan Alhaj Hussain, Brylle Ryan Gomez, Ali Reza Mohammed Husein Sajun, Dara Yarob Sakhnini

* *Third Place*: Elderly Behavioral Monitoring System, by students Abdulla Mohammad Alshamsi, Loay Taha Kamel, Eisa Abdalla Sajwani, Hussain Saifee Surti

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

CSE lab instructor wins the CEN 2020 Excellence in Lab Instruction Award

May 11, 2020: A long-standing member of AUS community has been recognized for his commitment to student outcomes, receiving the College of Engineering's (CEN) 2019–2020 Excellence in Laboratory Instruction Award.

Ahmad Al Nabulsi, who completed both his undergraduate (Bachelor of Science in Electrical Engineering) and graduate (Master of Science in Mechatronics) at AUS, received the award for his contribution to student success in computing labs. The award selection criteria was based on student evaluations, department head reviews, dean reviews, teaching contributions and innovations, labs maintenance and safety improvements, as well as professional development.

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

CSE students honored as part of a team that won the Audience Award at the Annual NYUAD International Hackathon

Apr 22, 2020: Students from CSE at AUS were part of a team that won the Audience Award for creating a platform for learners in low connectivity areas at the 2020 Annual NYUAD International Hackathon for Social Good in the Arab World, held April 16-19, 2020.

The team, which is comprised of CSE students Ali Sajun, Brylle Gomez and Lana Hussain, along with students from New York University-Abu Dhabi (NYUAD) and the National School of Computer Science in Jordan, worked with six mentors, including three from IBM UAE, one from Microsoft UAE, and two educational specialists from the UAE and the US.

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

CSE team receives funding for research project

Apr 1, 2020: A CSE team was declared the recipient of the Sandooq Al Watan Fellowship which supports undergraduate students working on their capstone design projects. The project was entitled "Smart Cane for Visually Impaired Children using IoT and AI."

The team included Mariam Arshi, Sara Almaazmi, Reem AlAmeeri, and Fatima Darwish. The team was advised by Dr. Abdul Rahman Al-Ali, Professor of Computer Science and Engineering and Dr. Salam Dhou, Assistant Professor of Computer Science and Engineering at AUS.

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

CONTACT

Apply to our

Bachelor of Science in Computer Engineering (BSCoE)
and
Bachelor of Science in Computer Science (BSCS)

For information about the undergraduate programs, please contact:

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Fax +971 6 515 2979
dgregorio@aus.edu
cse@aus.edu

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Partial assistantships are available for working students.

For information about the graduate program, please contact:

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Fax +971 6 515 2979
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