

NEWSLETTER | SPRING 2021

Faculty News

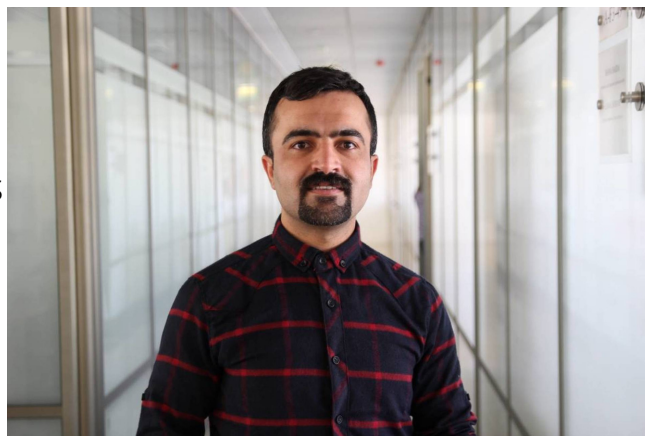


Publication

Dr. Ameen, associate professor and chair of the engineering department, has published 6 papers. The title of the papers were as follows: Low Pull-in-Voltage RF-MEMS Shunt Switch for 5G Millimeter Wave Applications, An intensive approach to optimize capacitive type RF MEMS Shunt Switch, Design of step down structure RF MEMS Shunt Capacitive switch for Low Pull-in voltage, Design and Optimization of a novel structure capacitive RF MEMS switch to integrate with an antenna to improve its performance parameters, and [read more](#).

Event Participation

Mr. Wrya Abdullah, adjunct lecturer from the Engineering Department, presented three papers in the [3rd International Conference on Recent Innovations in Engineering \(ICRIE\)](#).



Publication

Dr. Aram Hassan, assistant Professor from the Engineering Department, has published two journal papers in the Structures journal, and he has also published two papers in the Proceeding International Conference on Science (ICST) 2, Indonesia. Furthermore, he was the reviewer of an engineering paper from the Public Library of Science.

Publication

Dr. Shwan Abdulla, adjunct Assistant Professor from the Engineering Department, has an accepted journal paper (under publication) in the Jordan Journal of Electrical Engineering. The paper title is: Functional Electrical Stimulation Assisted Cycling Exercise Optimized By Multi-Objective Genetic Algorithm



Publication and Event Participation

Dr. Ahmed Salih, assistant Professor from the Engineering Department, was keynote Speaker presented the seminar in the 4th International Nanotechnology Workshop -ONLINE- (NW-4 2020), and the title of the seminar was "Some Engineering Applications of Nanotechnology in Enhancing the Smartness of the Materials, Drilling Fluid in Oil and Gas Operations, Hydraulic Fracturing, and Construction Fields." He also publishing four journal articles under AUIS affiliations. Moreover, he was the associate editor in Arabian Journal of Geosciences with an Impact factor of 1.5; [read more](#). Finally, he reviewed more than 20 international journal articles.

Engineering Club Activities



AUIS Engineering Club has arranged numerous different activities despite being limited by the restrictions due to Covid-19 pandemic. Field trips, seminars, and internships were provided for the students.

[Read more.](#)



AUIS - SPE Activities



Society of Petroleum Engineers want to help energy engineering students to get involved in the various SPE international programs which includes; online lectures, field trips, gender diversity activities, trainings, environmental campaign, and community services to empower students to build a better future for themselves; [read more.](#)

Student Activities



Recently, a small group from AUIS, accompanied by Dr. Nathaniel Switzner, masked up and made an informal visit to the Technical College of Engineering of Sulaimani Polytechnic University (SPU). The group met several SPU faculty and staff and chatted about backgrounds, interests, and research. SPU provided a brief tour of some of the laboratories and fabrication areas. Some highlights included a metallurgical sample preparation and hardness testing lab, a CNC laboratory, a foundry for making aluminum sand-molded castings, and an experimental aluminum extrusion setup. The SPU engineering department seemed quite interested in discussing future collaborations.

