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## **IEEE Technical Talk organized by the College of Engineering and IT**

The College of Engineering and IT (CEIT) at Al Ain University of Science and Technology –Al Ain Campus, in conjunction with the IEEE UAE MTT-S & IM-S Joint Chapter and the IEEE AAU Student Branch, organized a technical talk entitled “The engineering of the Human Joint - Advances in Orthopedics Research and Computer Navigation”, and presented by Dr Farid Amirouche, University of Illinois at Chicago – USA. The technical talk was attended by Professor Abdulhafeed Belarabi –AAU Vice President- Dr. Nazih Khaddaj Mallat (CEIT, Dean), Academic staff, researchers and students from different AAU Colleges.

Dr. Amirouche talked about the total hip replacement (THR) as one of the most commonly

performed orthopedic procedures to improve the mobility and relieve pain at the hip in patients suffering from osteoarthritis of the hip.

As per Dr. Amirouche approximately 10% of patients with THRs have complications 5 to 10 years after the procedure and often require revision arthroplasty. Dr Amirouche mentioned that the total knee arthroplasty, also known as total knee replacement, is also one of the most commonly performed orthopedic procedures.

Moreover, the presentation highlighted the laboratory research efforts to advance our understanding of the human joint using nanotechnology, imaging and biosensors to design better implants.

At the end of the talk, Prof. Belarabi and Dr. Khaddaj Mallat honored Dr. Amirouche for his special efforts.

[Press Release Link](#)