جامعة الملك عبدالله للعلوم والتقنية King Abdullah University of Science and Technology | CEMSE — Computer, Electrical and Mathematical Sciences and Engineering

جامعة الملك عبدالله للعلوم والتقنية King Abdullah University of Science and Technology

DESIGNING GADGETS: MICROELECTRONICS WINTER CAMP
4-30 January 2020

KAUST Microelectronics Winter Camp is a 4-week research program aiming to develop practical and creative skills of undergraduate and Master's students from all around the globe. The camp is comprised of a core of hands-on cutting-edge research projects in various areas of modern electronics, accompanied by workshops and technical training in use of state-of-the-art and emerging technologies like Integrated Circuits (ICs), inkjet printing, 3D printing and self-assembly. Participating students actively lead on a research project which focuses on key areas of microelectronics research and which is mentored by leading scholars and experts. After a week of learning as a group at the Microelectronics Winter Camp, participants move to smaller groups and work with one of the participating professors at KAUST.

Requirements

- Completed a minimum of 3rd year OR holding a BS degree OR pursuing an MS degree
- A GPA above 3.50 /4.00
- Official academic transcript(s) in English
- A minimum of 79 TOEFL IBT score OR 6.0 IELTS
- The recommendation of a faculty member in the field of study from current and previous schools
- A valid passport

Benefits

- Workshop Stipend ($1000USD)for 4 weeks
- Certificate of completion from CEMSE Division
- Round-trip airfare to/from city of departure-Jeddah (KAUST)
- Ground transfer between the King Abdul Aziz International Airport (JED) to Thuwal
- Medical/Dental Insurance and on-site medical and dental clinic
- Private bedroom and bath in a shared residential suite
- Visa assistance and visa fees
- Access to community recreational resources
- High speed internet (WIFI)
- Social and cultural activities

The 2019 Microelectronics Winter Camp Research Topics

- **Add-on Electronics**
- **DIY Electronics**
- **Wearable Electronics**
- **Micro- and Nanodevices Sensors**
- **Graphene Transducers**
- **Energy Harvesters**
- **Additively Manufactured (inkjet, screen and 3D printing) Flexible Radio Frequency Electronics**
- **Wearable and Disposable Sensors for IoT Applications**
- **Energy Harvesting Through Ambient Resources (infrared EM)**
- **Deep UV Optoelectronics**
- **High Power Electronics**

2019 MICROELECTRONICS WINTER CAMP VIDEO

APPLY NOW

For further inquiries email: CEMSE.Internships@kaust.edu.sa