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Postdoctoral Fellow - Theoretical Condensed Matter Physicist

SAVE

Khalifa University



Physics Department in Khalifa University has an opening for a full-time, thirty months position as a Postdoctoral Fellow that will start on or after October 1, 2019 to work with the group of Dr. Sufian Abedrabbo. We are seeking a theoretically and computationally adept Condensed Matter Physicist to work on bandgap calculations of silicon interfaced with amorphous coatings.

Successful candidate will have a strong record of scientific achievement and deep understanding of working with Density Functional Theory / Ab initio and familiarity with Monte Carlo simulations and the ability to utilize this expertise in probing the effect of random stress fields at the interface on modulations of the bandgap of coated silicon.

To apply for this position or if you have any question, you can send an email to Dr. Sufian Abedrabbo: sufian.abedrabbo@ku.ac.ae. Application Materials include: a

Application



recent C.V., statement of research experience and interests and names of three reference.

Requirements:

- Doctoral Degree in Theoretical Condensed Matter Physics or Computational Materials Science.
- Strong background in theoretical physics is essential; experience in working with DFT/Ab initio calculations of Silicon bandgap under various conditions is highly desirable.
- Ability to relate modulated Si bandgap to radiative carrier recombination.
- Excellent oral and written communication skills.
- Ability to work independently and in a team and strong publication record

NOTES:

Additional Salary Information: Annual salary increases are possible depending on performance and university policy. Sponsorship for one international conference annually; Benefits include health insurance.

Internal Number: Position 3472/ IRC393313

About Khalifa University

Khalifa University (KU) is a public research university located in the fine city of Abu Dhabi in the United Arab Emirates and is recognized as the # 1 ranked university in the UAE. It is a mid-sized university consisting of three campuses. KU focuses on quality research and offers the benefits and resources of larger institutions as it has 16 dedicated research centers and 228 state-of-the-art Laboratories. KU has 12 Bachelor's and 16 Master's degree programs, in addition to 2 PhD programs with 12 concentrations.

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Details

Posted:

August 22, 2019

Location:

Abu Dhabi, United Arab Emirates

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Salary:

70,000 USD

Level:

Experienced

Sector:

Academic

Work Function:

Postdoctoral Research

Discipline:

Physics: Solid State

Required Education:

Doctorate

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