



KSC Summer Internship Program

Starting Date: 1st July 2019

The 10-12 week program exposes **final year undergraduate students** to both high-level academic research and tutorial lectures about solar energy conversion. Students will be able to use the world-class facilities that KSC offers and, while at KAUST, can participate in a range of recreational activities available on campus.

PART 1 **Summer** **School**

Tentative Agenda: 7th-10th July 2019

Tutorial Lectures:

- PV fundamentals
- Design of materials for solar energy conversion
- Electrical characterization tools for PV devices
- Silicon solar cells
- PV systems

Practical Training:

- Silicon: preparation and characterization
- Organic Photovoltaics: preparation and characterization
- Semi-conducting thin film and material characterization

PART 2 **Research** **Project**

- Synthesis and characterization of novel organic materials
- Development of interlayers for solar cells
- Preparation of silicon tandem solar cells
- Photocatalysis and solar fuels



Contact Us:

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