



Announcement

Organic Semiconductors

Dr. Masoud Amirkhani

Description

We may not be at post-silicon age, but by developing portable devices and ever increasing demand for cheap technology, the need of new material to replace silicon is very obvious. For the moment, organic semiconductors do not surpass the performance of silicon made devices, but they are cheap, easy to fabricate and flexible. These unique properties and continues progress to increase the performance make them very promising for new applications such as wearable organic solar cell, flexible device and transparent electronic. This advance seminar will cover a wide range of organic semiconductor application from organic solar cell to organic transistor.

Content

- Organic solar cell
- Organic transistor
- Organic light emitting device (OLED)
- Organic sensor

Prerequisites

Condensed matter physics

Literature

- Dependent on the subject of the seminar different literatures will be introduced to student

Additional information

Seminar (2 hours/week)

4 ECTS credits

Lecturer

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