

## 電子所演講公告

**Title: 細菌鞭毛馬達的動力學 Kinetics of Bacterial flagellar motors**

**Chien-Jung Lo**

Associate Professor

Department of Physics National Central University (中央大學)

Host: Prof. Ya-Tang Yang, Department of Electrical Engineering

Bacterial flagellar motors (BFMs) are natural rotary molecular machines that propel bacteria to swim. I will introduce bacterial flagellar motors from two aspects, the motor performance and the dynamics of motor components. We use various single-cell and single-molecules techniques to measure the mechanical outputs, energetic conditions and protein dynamics of BFMs. Our results indicate that BFMs are power-stroke type machines with turn-over components.

Location: Delta(台達) 918 Date: 05/17/2017 4:00PM