



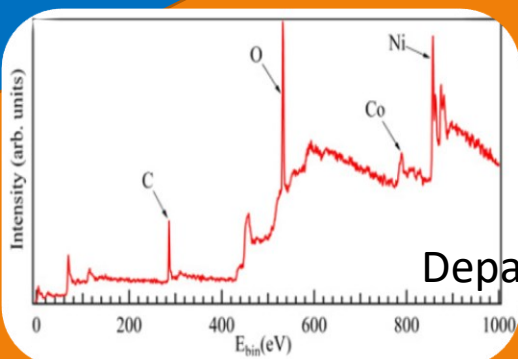
Max Planck  
Institute

دانشگاه صنعتی  
اصفهان



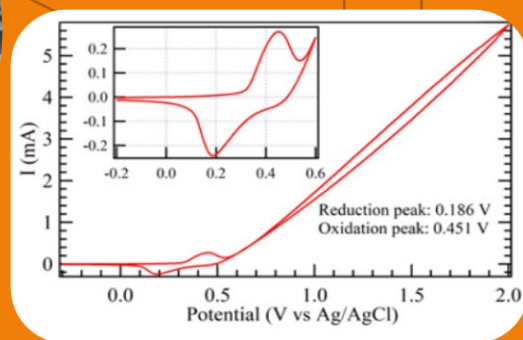
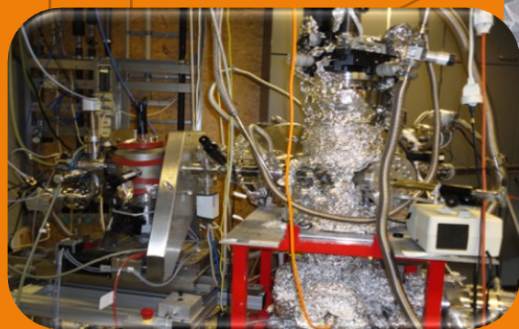
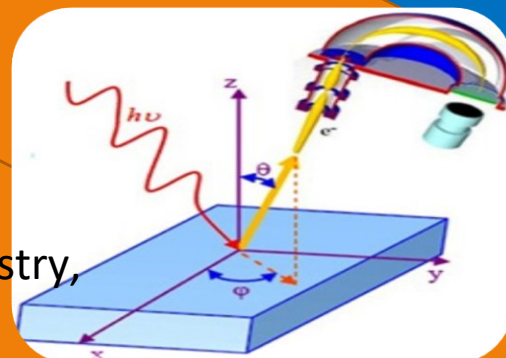
بررسی ساختار الکترونی جامدات

تکنیک‌های اسپکتروسکوپی اشعه X



دکتر علی اکبر غفاری

Department of Inorganic Chemistry,  
Fritz-Haber  
Institut der Max-Planck



چهارشنبه ۱۱ خرداد ۱۴۰۱

۱۱:۳۰ الی ۱۰:۳۰

سالن سمینار دانشکده شیمی

<https://meet.iut.ac.ir/b/che-vyc-efi-cug>

**Abstract:** The high brightness light source of **synchrotron radiation** provides a variety of experimental techniques for probing the solids. Some techniques such as **x-ray photoelectron spectroscopy (XPS)** and **angle-resolved photoemission spectroscopy (ARPES)** are widely used for the investigation of the electronic structure of occupied electronic states of solids. While the details of the unoccupied electronic states can be obtained by the **x-ray absorption spectroscopy (XAS)**. Furthermore, **near ambient pressure x-ray photoelectron spectroscopy (NAP-XPS)** is used for a variety of material such as catalyst due to the much technological application. In my talk, these spectroscopy techniques as well as **spectroelectrochemistry** with some examples are explained.