

Fabrication of sensors and detectors based on 2D materials

Speaker: Dr. Y. Abdi

Affiliation: Tehran Univ

Date and time: Wednesday, 24th of Aban (15th of November), 4:30 pm


Place: Farmanieh builing, lecture room C

Abstract:

The exceptional surface-to-volume ratio and high electron mobility of 2D materials entitles them as promising candidates for gas sensing and photo-detection applications. In order to improve the sensitivity and selectivity of the sensors, utilizing the 2D materials based hybrids and composites have been studied in recent years. In this talk I shall describe aforementioned unique properties of 2D materials and their hybrids and take advantage of these properties to realize high sensitive gas sensors and photodetectors.

Address: Institute for Research in Fundamental Sciences (IPM), next to Kouhe Nour Building, Farmanieh Ave.

 (21) 22 28 06 92, 22 29 09 34

 (21) 22 28 04 15