Monday 21 Khordad 1397, 15:00

IPM' Farmanieh Building, Lavasani St.
The New Building, 2nd Floor, Class C

The Emerging Field of Signal Processing on Graphs

In many applications high-dimensional data naturally reside on the vertices of weighted graphs. The data on these graphs can be visualized as a finite collection of samples, with one sample (or a time series) at each vertex in the graph. Classical signal processing mostly deals with data on regular structures, however many extremely simple yet fundamental concepts become significantly more challenging in graph settings. In this talk we will introduce the emerging field of signal processing on graphs and discuss how to extend operators/algorithms from the classical signal processing to graph signal processing.

Hojjat Akhondi-Asl, Ph.D
Senior Data Scientist at Powerline Technologies, UK

Hojjat Akhondi-Asl is currently a senior data scientist at powerline technologies in the UK. Prior to that he was a research associate at the Department of Statistical Science at University College London. He completed his PhD in Signal Processing in 2011 and MEng in Electrical Engineering in 2007 both form the Department of Electrical and Electronic Engineering, Imperial College London.