Analysis Seminar

"Around the approximation theory for neural networks"

By

Ionel Popescu
(University of Bucharest and IMAR)

Abstract: I will try to steer the discussion around an old result in neural networks that describes the structure of the activation function. Essentially it says that the approximation theory in the space of continuous functions works with one hidden layer if and only if the activation function is not polynomial. Then I will try to discuss how one can use neural networks with a rectified linear activation function to find neural networks with "small size" which has good approximation property.

Date: Tuesday, November 3
Time: 15:00 – 16:00
Place: ZOOM

To request the event link, please send a message to goncha@fen.bilkent.edu.tr