Neural Networks and Deep Learning: Part 2: Implementation issues

The first lecture is scheduled on **February 22, 2022 - 9:00**
Grey Room, Retis Lab, TeCIP Institute, Via Moruzzi, 1 – Pisa

Giorgio Buttazzo and Alessandro Biondi

**Objectives:** The aim of the part is to provide practical and implementation issues useful to deploy neural networks on a variety of embedded platforms using different languages and development environments.

**Course program**

1. Implementing Neural Networks from scratch in C. General implementation principles. Main and auxiliary functions.
2. Sample implementations of common neural network models in C language.
11. Accelerating deep networks on FPGA. Common technologies and approaches for deploying deep networks on FPGA.