CALM – CollAborating network of Large electric Machines
PhD student: Giovanni Zanuso
Period: 11-2016 to 11-2021

- **Objectives:**
  - Cross-disciplinary project (electric machines and communication networks), in line with “Industry 4.0” and “Internet of Things” efforts.
  - Condition monitoring of electric machines with stator winding faults.
  - Evaluation of data exchange in industrial networks with electric drives.

- **Collaborations and funding:**
  - ABB, Imagimob, LumenRadio and Ericsson (with Vinnova); Scania (with SEC).

- **Results so far:**
  - Study on condition-monitoring data exchange in industrial networks.
  - Analysis of high-frequency oscillations in stator currents after commutations.
  - Experimental test bench with high-frequency sampling capabilities (125 MHz).