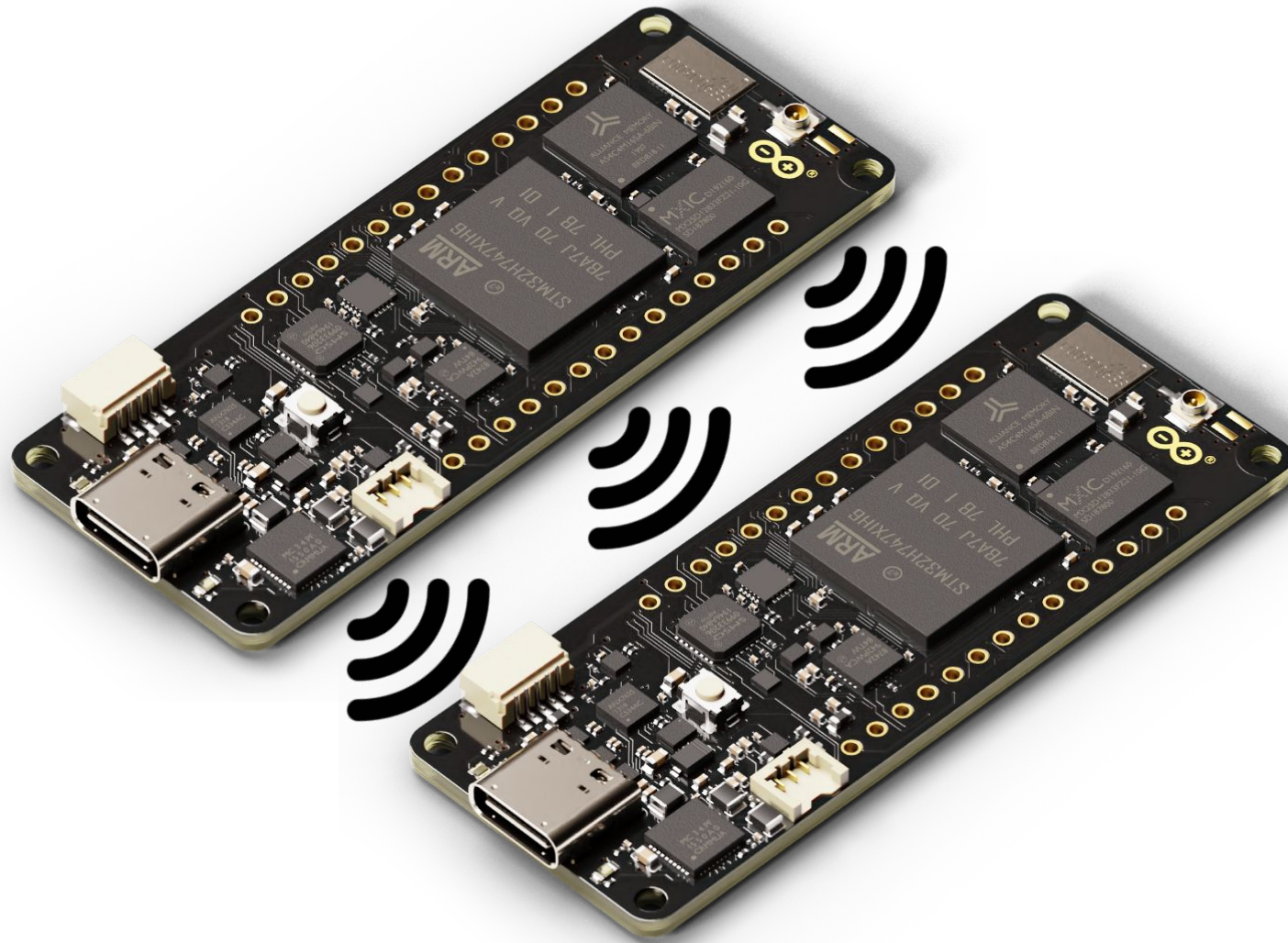


Edge Computing in the IoT

Signal Reconstruction

Alberto Ferrante
TA: Luca Butera

Emitter - Receiver



The **emitter** board is going to **transmit a sinusoidal signal** with a certain frequency.

The **receiver** board **reads the signal** with another chosen frequency.

Can we **reconstruct** the signal **correctly**?

Exercise

Pair up with a colleague:

one of you is going to write the code for the **emitter**, the **other** that for the **receiver**.

To make things easier the emitter and receiver are going to use **analog pins** to read/write the sinusoidal signal, and they will be **wired together** with a jumper cable.

The emitter should **not disclose the chosen frequency**, and the receiver should **find the proper frequency to reconstruct the sinusoid**.

