

Arm Wrestling Analysis and Prediction

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Our team

We are Matteo, Nicolò, Stephen and Karym, four students at the second year of Biomedical Engineering at the Politecnico di Milano.

Attending the IEIM course with Prof. Santambrogio we got passionate to the subject and together with him we worked on a project which brought us closer to the FPGA world.











Arm Wrestling









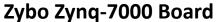


Our idea

FIRST STEP:

Profile the players' strength and endurance, then make predictions on the outcome of the match







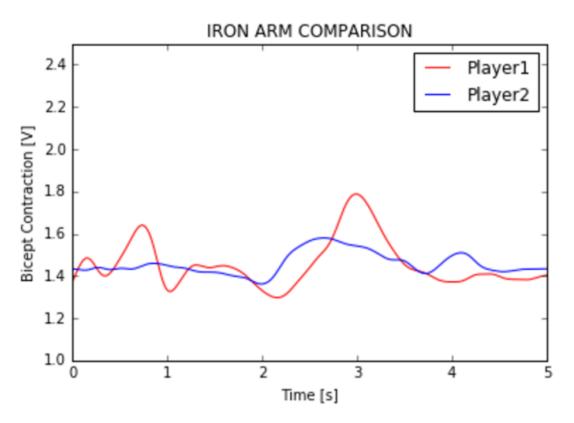








EMG results



Player1 --> strenght: 1.78376199026

endurance: 1.45601222149

Player2 --> strenght: 1.57890863326

endurance: 1.45782885978







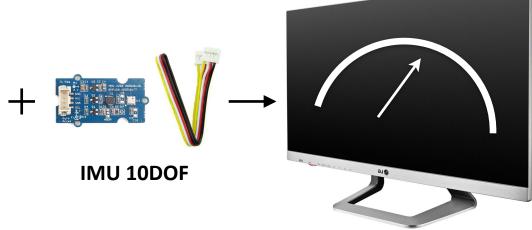


Our idea

SECOND STEP:

Display in real-time on a monitor the current status of the match thanks to the accelerometer













Thank you!

Questions?

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https://github.com/matteogreco/Arm-Wrestling-XPH16





