

Description du travail

Description et objectifs

Simulate and evaluate the advantages/drawbacks in term of noise and stability of a PCB based capacitive displacement sensor with an embedded pre-amplifier compared to a standard capacitive sensor with a separate pre-amplifier. Various PCB materials (FR \dot{S} , ceramics,...) and geometries will be investigated.

Compétences requises

Sensor technologies

Simulation tools

Langues requises Français (Intermédiaire) , Anglais

(Intermédiaire)

Localisation du stage NEUCHATEL