

Microfabricated pressure sensor arrays

Record number : OPR-356

Overview

RESEARCH DIRECTION

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INFORMATION

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ADMINISTRATIVE UNIT(S)

Faculté de génie
Département de génie mécanique

LEVEL(S)

2e cycle
3e cycle
Stage postdoctoral

LOCATION(S)

Campus principal

Project Description

The project aims at designing, fabricating and testing a novel miniaturized pressure sensor array for applications in high-speed aerodynamics, gas dynamics and detonics. The novelty of the system will reside in its small size, incorporating 5-10 sensors on a 6 mm footprint, and high bandwidth, exceeding 10 MHz. The system will be fabricated by assembly of individually micromachined components and tested in our lab's shock tubes.

Starting date : August 2019

Discipline(s) by sector

Sciences naturelles et génie

Génie mécanique

Funding offered

Yes

\$ 20 000

The last update was on 13 March 2024. The University reserves the right to modify its projects without notice.