

生研公開 藤田・年吉研 Integrated CMOS-MEMS Sensors Example of a Wireless Electro-Chemical Sensor Tixier-Mita Agnès

Integration of sensors and data analyses systems on a same chip allows further miniaturization,

parallel analyses, reduction of parasitic noise due to wiring, and autonomy. The advancement in technology allows now to realize single chip integrated devices, opening the door to new functions and applications to standard sensors systems, for more diversified analyses. We present here the advancement of the research on a wireless electro-chemical sensor.

Introduction



IIS Open House | 2012, June 1st [~] June 2nd

Wireless Electro-Chemical Sensor Fabrication Principle



A Wireless Integrated CMOS-MEMS Electro-Chemical Sensor for measurements inside closed container is presented here. Integration of the sensing part is on going and under tests. Future version of the system will also integrate converters and the wireless part.

藤田・年吉研究室

Micro Nano Electro

Mechanical Systems