



CNRS Profile: Multi-physics integrated sensors for environmental monitoring.

IMEP-LaHC has recognised expertise in the design and characterisation of micro- and nano-electronic devices and, in particular, sensors. All of the laboratory's research teams are active in this field: nanostructures, integrated photonics on glass, radio frequency sensors printed on bio-sourced substrates. The applications of these studies address current issues related to the degradation of our environment and the need to reduce the impact of human activities: environmental monitoring, energy harvesting.

The laboratory wishes to develop this research through the consolidation of a transverse research axis dedicated to integrated sensors with a multi-physics approach. The candidate will therefore propose original and energy-efficient ways of measuring environmental parameters with or without the functionalization of overlay.

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