



# Open Position in Microelectronics Image Sensor Design

The CDSI Team from the TIMA Laboratory is developing for 20 years asynchronous systems and microsystems especially:

- Asynchronous circuits and systems (including asynchronous IPs, asynchronous microprocessors, asynchronous reconfigurable logic, ...)
- Asynchronous technology for hardware security (TRNG, PUF, asynchronous crypto-processors, ...)
- Non uniform sampling and dedicated signal processing (ADC, sensors, image sensors, circuits and algorithms)

The CDSI team offers a 12-month position for preparing an industrial transfer of an event-based image sensor array. The targeted sensor performances are low power, high dynamic range and an enhanced signal-to-noise ratio.

We are hiring an engineer in microelectronics for 12-month mission to transfer our matrix sensor technology to the industry.

The project will include the following steps:

- Study of the sensor pixel
- Event-based readout design
- Design and layout of the Read Out IC (ROIC)

This project is funded by Linksium (Technology Transfer and Startup Builder) and an industrial partner. This latter will support the TIMA laboratory and will offer an access to the sensor technology.

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