

## TIMA LABORATORY SEEKS AN EXPERIENCED ENGINEER OR POST-DOC CEO IN THE FIELD OF MICROELECTRONICS IMAGE SENSOR DESIGN – 18 MONTHS

### PROJECT DESCRIPTION

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).

### MISSION

Open Position in Microelectronics Image Sensor Design.

The CDSI team offers an 18-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.

The project will include the following steps:

- Study and modeling of the sensor pixel
- Event-based readout validation
- Design and simulation of a Read Out IC

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. Notice that this industrial partner plans to offer a permanent position at the end of the project.

### PROFILE REQUIRED

We are hiring an experienced engineer or a post-doc in microelectronics for 18-month mission to transfer our matrix sensor technology to the industry.

### CONTACT

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