The **Software/Hardware Integration Lab (LISHA)** was founded in 1985 to promote research in the frontiers between hardware and software. Since then, it has dedicated considerable efforts to research in areas such as *computer architecture*, *operating systems*, *computer networks* and the related *applications*. Currently, the laboratory focuses on innovative techniques and tools to support the development of *embedded systems*.

**MCTIC's IA² Program**

LISHA is now part of **MCTIC's IA² Program**. Prof. Gustavo Medeiros de Araújo will be working together with accelerators **HARDS** and **DARWIN** and **SOFTEX** to support startups while innovating with AI solutions to real problems.

**OpenEPOS 2.2**

A new version of OpenEPOS has been released! Check the [new features](#).

**IoT Platform**

LISHA's **IoT Platform** now supports dozens of research projects. For further information about how to join it, please check [this link](#).

**SmartData**

A new version of LISHA's **IoT Platform** based on SmartData and the Trustfull Space-Time Protocol(TSTP) is now available!

**EPOSMote III**

**EPOSMote III**, the third generation of wireless sensing/actuating platform has been released! It is already being used at the UFSC Smart Solar Building.

**SmartX**

LISHA's **CPS Management Platform** is now fully integrated with the **IoT Platform**, adding features such as defect tracking, logging, geolocation, and service ticketing.