

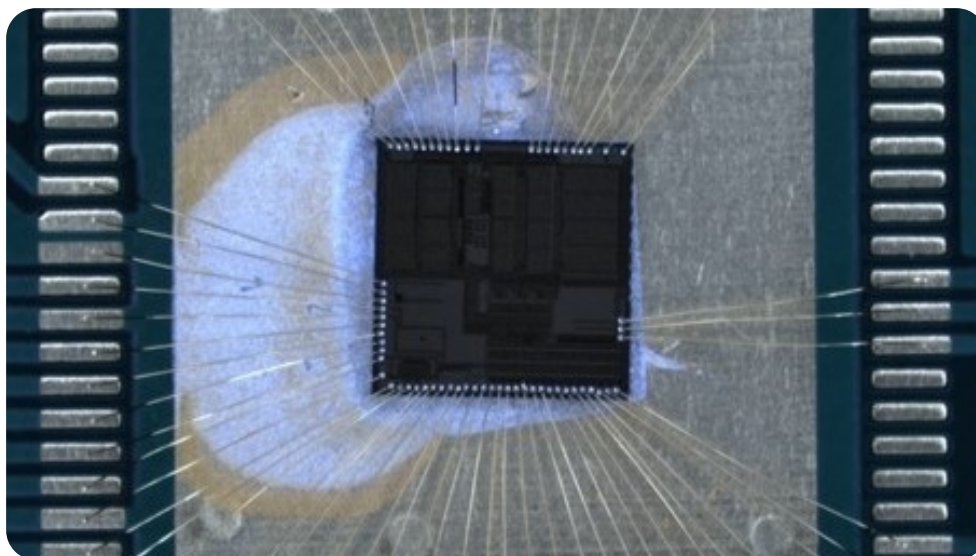


INESC Capable-ID

Issue #4 | February 2025

Welcome to the fourth edition of INESC Capable-ID, the official newsletter of INESC-ID. Our institute reached a quarter-century—with a proper celebration—a European project is helping to transform drug development, and we have a special recommendation for self-enrichment. These are the highlights of the first edition of the year.

In Depth



Transforming Drug Development

INESC-ID and Silicongate, a company incubated at our institute, are helping to transform drug development through the EU-funded UNLOOC project. By integrating cutting-edge sensor technology with organ-on-chip (OOC) systems, this initiative aims to reduce reliance on animal testing and advance personalized medicine. The development of ultra-sensitive microchips capable of monitoring artificial organ environments in real time enables safer and more cost-effective drug testing. This technology has the potential to save up to €700 million per new drug.

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People of INESC-ID

João Fumega

Maps have been a part of João's life for as long as he can remember. What began as a childhood passion turned into a career choice, leading him to study Geography in college. For his master's degree, João focused on the distinctive Lisbon neighbourhood of Campo de Ourique, while his PhD research delved into climate change and sustainable development policy. Now, as a Project Officer for project BIG and an Education Officer at CMU Portugal, João wears many hats. You're likely to spot him arriving at Alves Redol on a multirider bicycle—right after dropping off his two daughters at school.



Sahar Moradi Cherati

Bathed by the Caspian Sea, Babolsar is a popular weekend destination for Iranians—and the birthplace of our PhD student. Electronics and computers have always been her main interests, and after earning a master's degree in Computer Architecture in Tehran, Sahar decided to continue her studies abroad. It was a decision fully supported by her parents—her mother, a teacher, and her father, a veterinarian. After struggling through her first two years in Portugal, facing both the pandemic lockdown and the housing crisis, she now feels at home in Lisbon and has no intention of leaving.



Fábio Passos

Applied research—this is what makes Fábio's mind buzz with excitement and his eyes shine. After a brief stint in industry, the specialist in high-frequency circuit design has found his place as a researcher at INESC-ID and the start-up Silicongate, as well as a professor at Técnico. Always eager to travel and immerse himself in different cultures, Fábio will spend April and May teaching at the University of Shanghai—a city that ranks as his second favourite (after Tokyo) for its



unique blend of Chinese, European, and American influences.

Spotlight



25 Years Redefining Technology

On January 28, INESC-ID marked a major milestone—25 years of research and innovation—with a special gathering at the Salão Nobre of Instituto Superior Técnico. The event brought together our community, past and present, along with friends from academia, to reflect on our journey so far and look ahead to the future. Highlights included speeches by Inês Lynce and Miguel Pupo Correia, a conversation with our first Directors—Luís Borges de Almeida, Helena Sarmiento, and Arlindo Oliveira, and words of recognition from Rogério Colaço and Luís Castro. The celebration concluded in true birthday fashion, with a chocolate cake in INESC-ID's colours and a chorus of voices singing "Happy Birthday." Here's to the next 25 years!

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[Photo Gallery](#)

We Recommend

Buchholz Bookstore

Was “reading more” on your new year’s resolution list? We got you covered! With its two out of three stories filled from floor to ceiling with books, the Buchholz bookstore, near Marquês de Pombal, is the place to go. Founded in 1943, by the German Karl Buchholz, this store is a true ode to books and reading, spanning a wide range of topics and featuring permanent exhibitions dedicated to national literature. Down the spiral staircase, music and art aficionados will also find a small record selection, as well as art pieces. Respecting its roots as a cultural meeting point, and taking advantage of its cozy atmosphere, this bookstore also hosts monthly talks, book clubs and even concerts.



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