



Digital
Transformation
CoLab

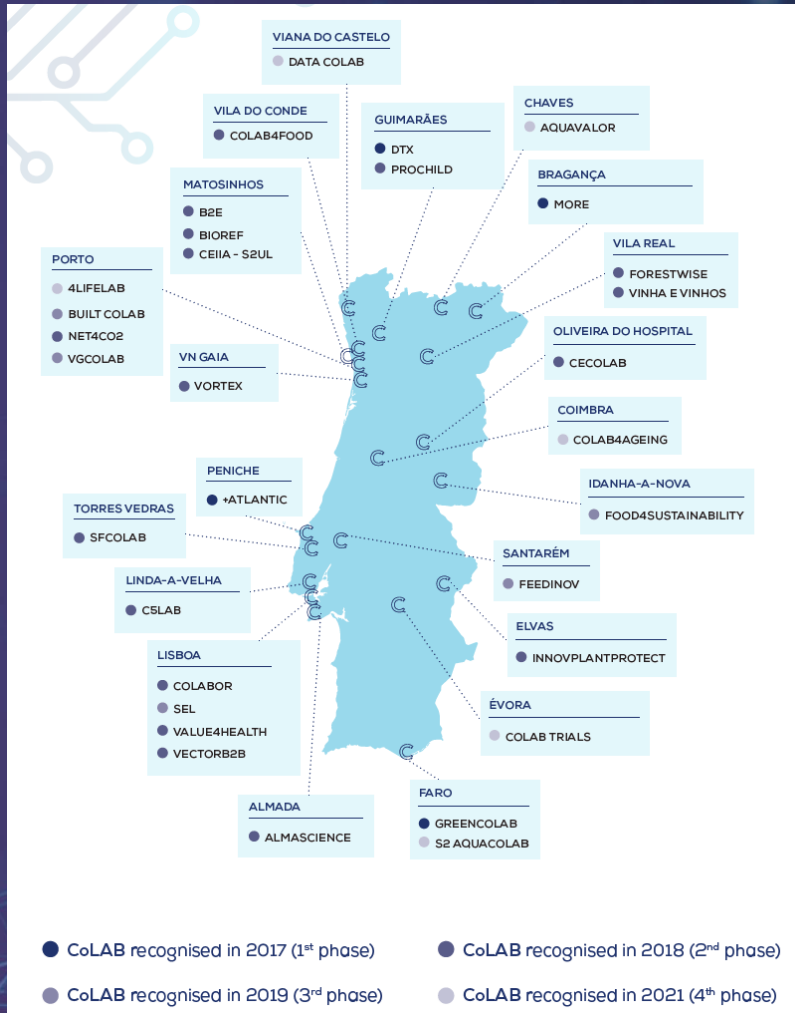
A leading Portuguese RTO using applied research to drive digital transformation and create economic & social value for companies and society.

Nuno da Costa

Nelson Ricardo Rodrigues

DTx RTO National Context

Partners



accenture

BOSCH
Tecnologia para a vida

Cachapuz
Weighing & Logistics Systems

CCG/ZGDV
ICT Innovation Institute

cegid

CEIIA

celoplás®

dstgroup
building culture

IKEA

INCM
IMPRESA NACIONAL CASA DA MOEDA

INL
INSTITUTO NACIONAL DE INOVAÇÃO E TECNOLOGIA

mobileum

NOS

piep
Inovação em Engenharia de Polímeros

SIBS Partner
in Payments

Simoldes
since 1959

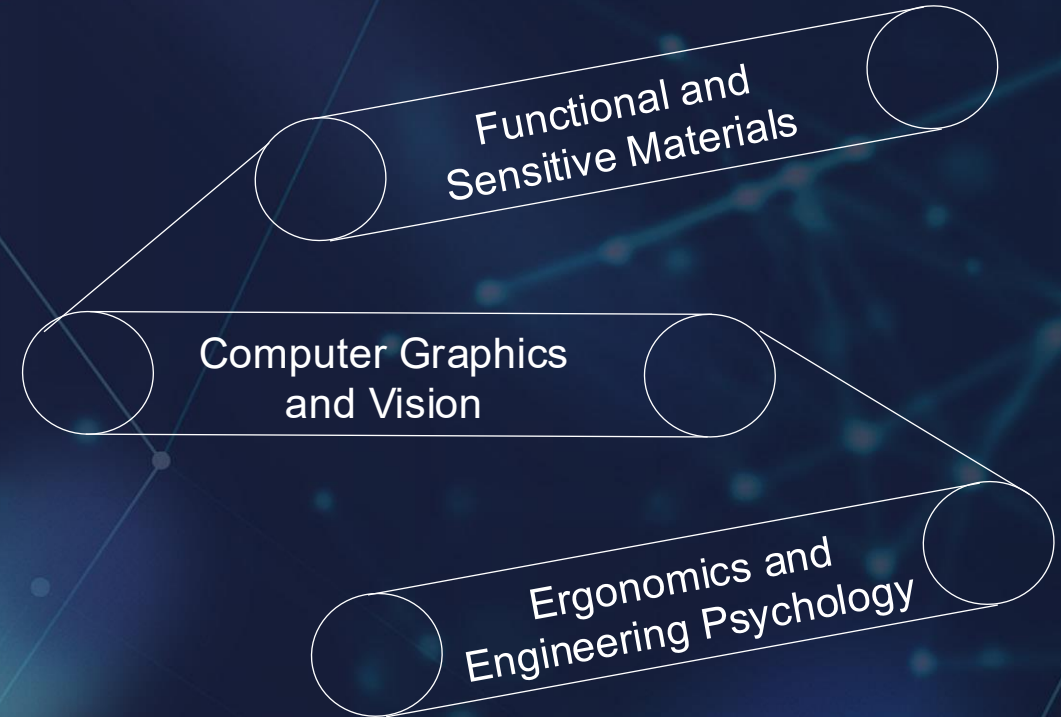
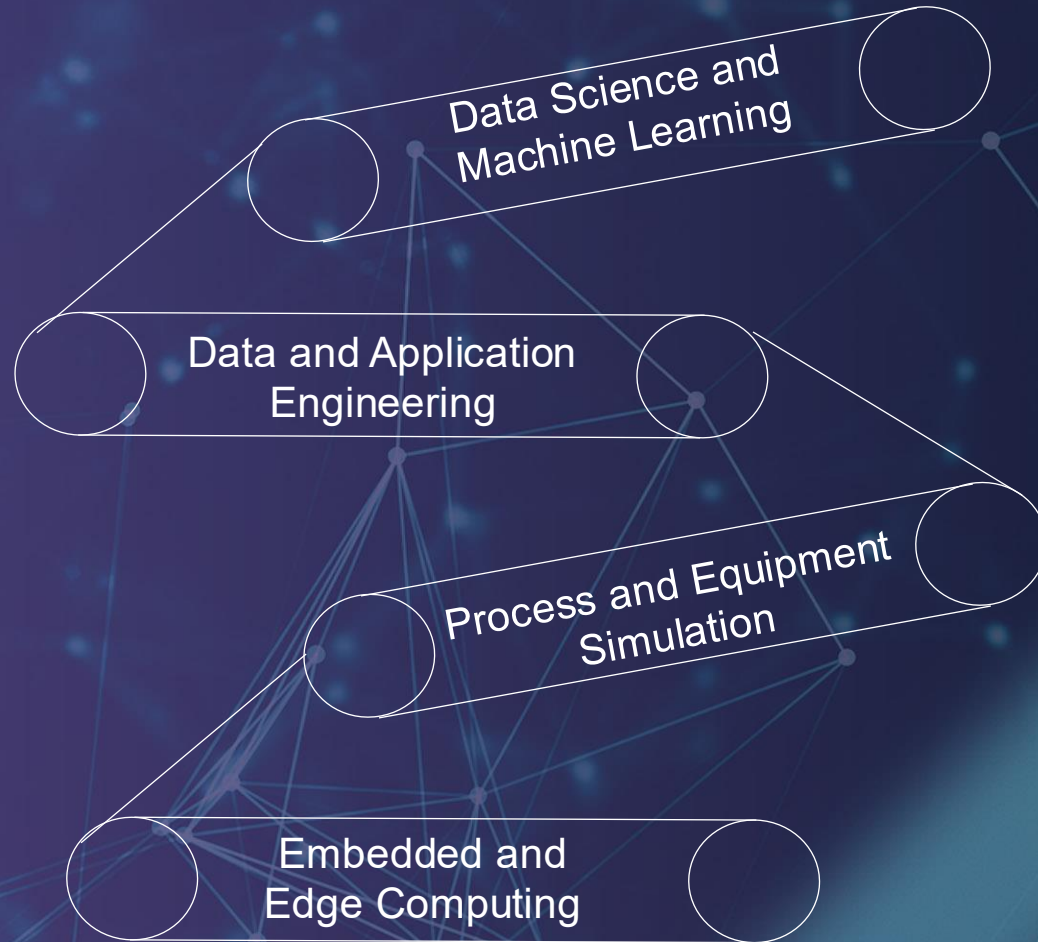
TMG
AUTOMOTIVE

UNIVERSIDADE
CATOLICA
PORTUGUESA

UNIVERSIDADE
DE ÉVORA

Universidade do
Minho

Technological Innovation and Transfer Groups



Dissemination, Exploitation & Standardization Plans

Networking

- Co-Founder of European Digital Innovation Hub (HPC and AI)
- Member of International Networks
- Minho Innovation Environment

Dissemination

1. **Channels:** Website, LinkedIn, peer-reviewed journals, IEEE Technical Committee Agents & CPS, industry events.
2. **Target Venues:** Conferences SS (IEEE INDIN, GLOBECOM, ISIE)

Exploitation

- **TRL Upscaling & Validation:** License applications and technology solutions to industry
- **Industry Partnerships:** Industrial collaborations with major industrial entities
- **European Projects:** Follow-up Research Initiatives for EU Projects

Standardisation

1. **Standards** on Working Groups and **Best Practices** on IEEE Technical Committee
2. CPS Industrial Agents

Networking








Large-Scale Projects



Reference Projects

Current Use Cases on GenAI (TRL 5-7):

- **Business documentation Hybrid RAG System:** combining semantic and graph-based methods for faster interface with business documentation (financial, logistics). 
- **Telecom Risk-Controls end-to-end RAG System:** pipeline that ingests telecom risk documents and web content, extracts, chunks, and structures key information. 
- **Virtual Assistant chatbot:** smart homes, manufacturing Maintenance Assistant.   

Previous Use Cases:

- **Immersive Technology-Based Training Tool.** 
- **Multi-agent System**
 - European projects FP7, H2020 Projects (Grace, ARUM, PERFORM) SIEMENS, Whirlpool, VW, SINTEF, ...