



## Digital Sciences Lab of Nantes

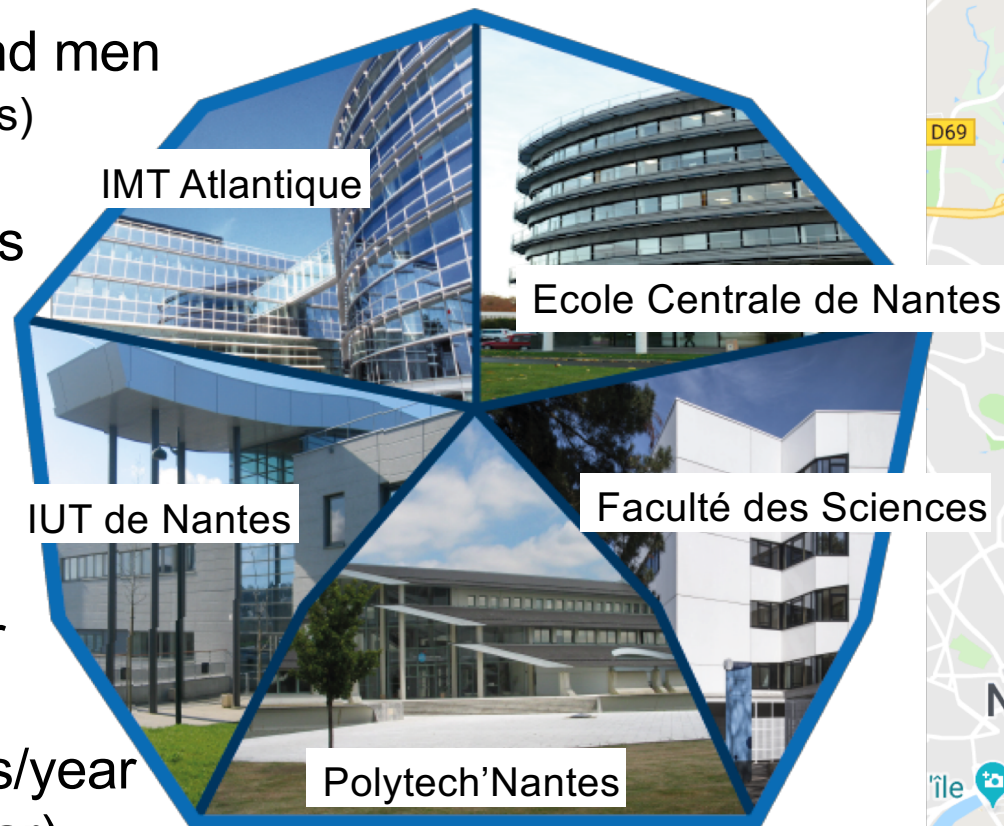
A single objective: bring together Nantes' research expertise in computer science and cybernetics to develop digital sciences, inclusive of other disciplines.

**A Joint Research Unit of the CNRS (UMR6004):**

Supported by 5 public institutions of Higher Education and Research

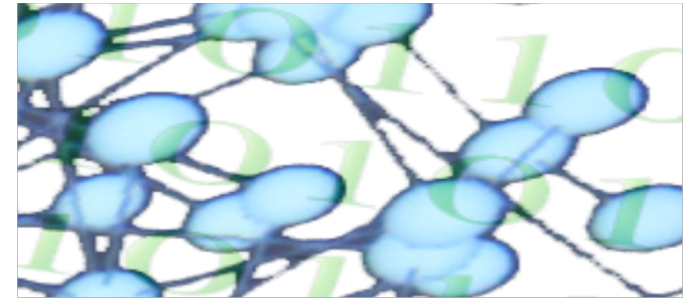


- Founded in 2017 (CS lab LINA + CE lab IRCCyN)
- 5 sites across Nantes
- 450+ women (24%) and men (half on permanent positions)
- 23 joint research teams
- 30+ nationalities
- 40+ PhD Thesis/year
- 600+ publications/year
- 60+ research contracts/year (for a budget ~7M€/year)



## LS2N missions:

- Fundamental and applied research
- Knowledge transfer to the socio-economic environment



### ➤ 5 disciplinary areas of expertise (research clusters)



- Systems Design and Operation
- Robotics, Processes and Calculation
- Data Science and Decision-making
- Signals, Images, Ergonomics and Languages
- Software and Distributed Systems Science

### ➤ 5 cross-cutting multidisciplinary themes



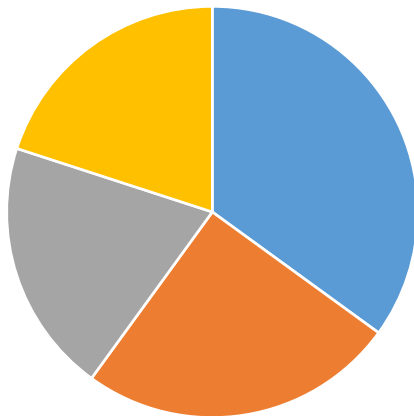
- Industry of the future
- Management of energy and environmental impact
- Life sciences
- Vehicle and mobility
- Design, culture and digital society

## Key indicators [2017-2019]

PhD Defenses	130+
Publications in journals	650+
Publications in intern. conferences	900+



### LS2N profile



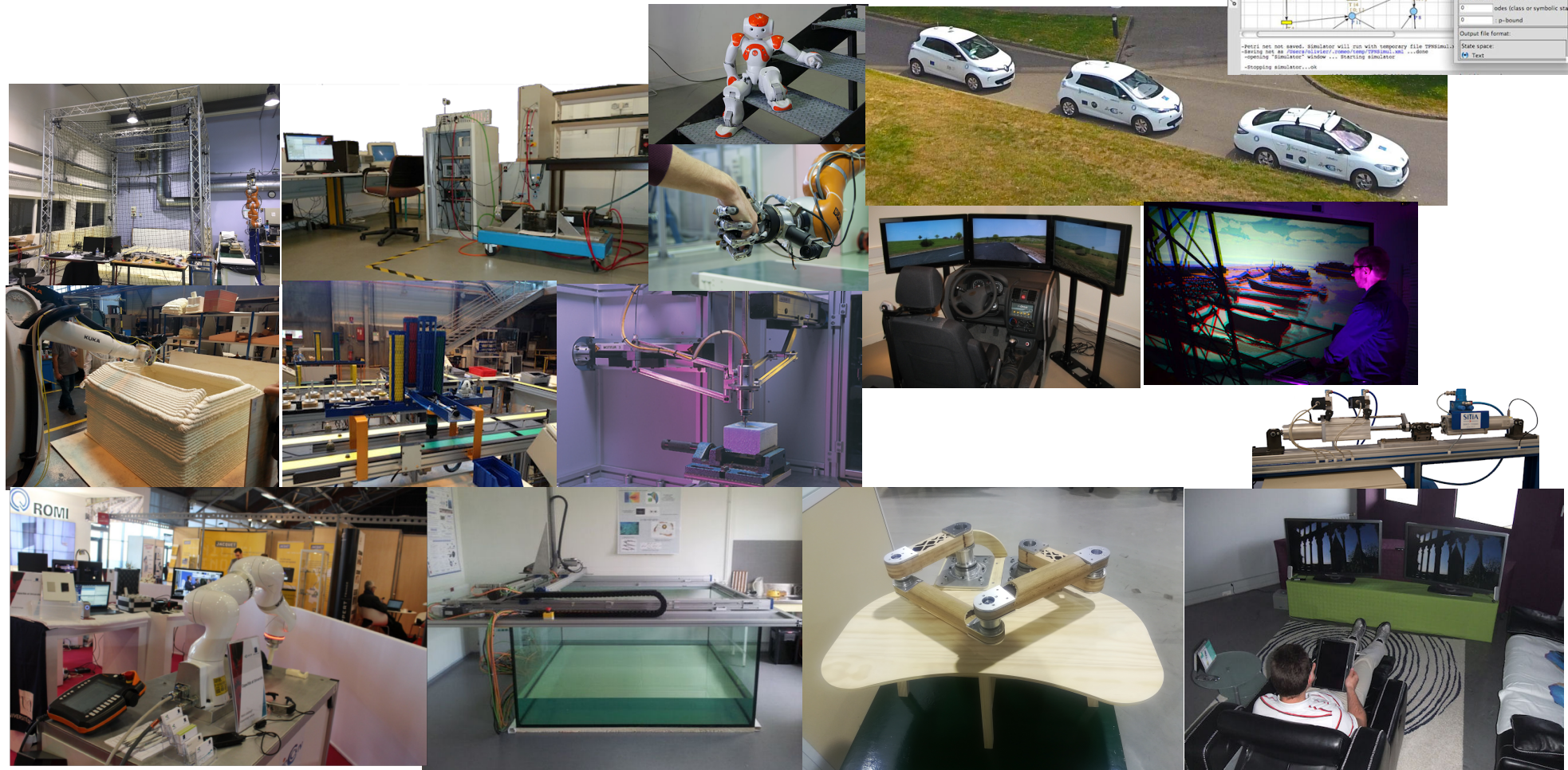
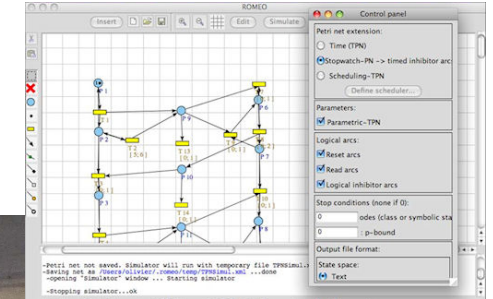
- academic production
- research valorisation
- research support
- research-based training

ANR grants	20+
Grants from industry	35+
Grants from public institutions	120+
European projects	10+
Registered software	10+
Patents	15+



Robotics, Interaction, Energy, Software

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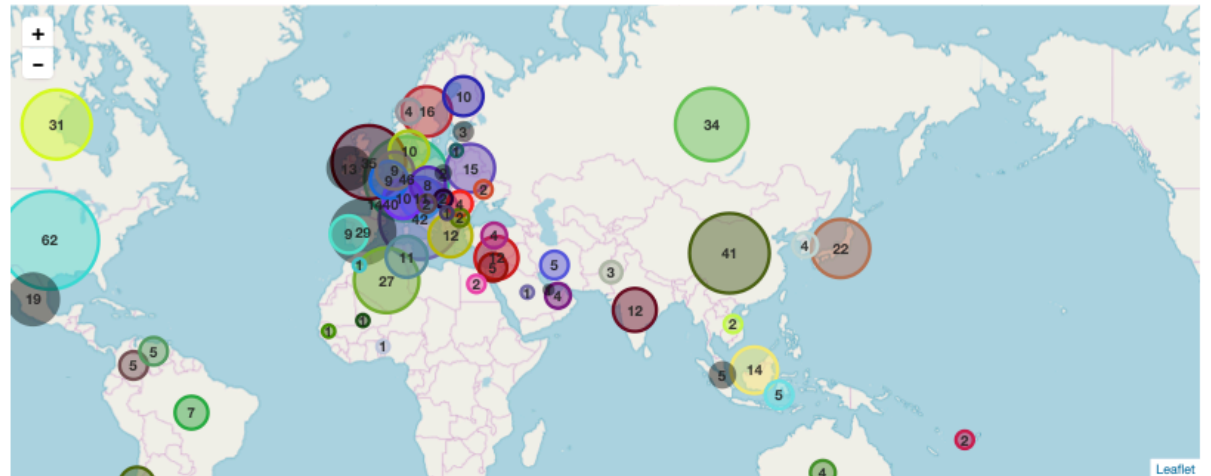
# International presence

- 30+ nationalities among the members

## Top 10 nationalities

France, China, Algeria, Tunisie, Morocco, Lebanon, Mexico, Russia, Iran, India

- Co-publications with international institutes
- A few strategic partners  
NII/Tokyo, IVADO/Montréal,  
Cinestav/Mexico, Hanyang Univ.  
Séoul



# LS2N Governance

- **General management** (DIR): Claude Jard (director), Christine Chevallereau (deputy director), Sophie Girault (administrative manager)
- **Executive Committee** (CODIR): one representative per site
- **Scientific board** (CSI): cluster & research team managers
- **UMR council** (COLAB): staff representative
- **Institutional Monitoring Committee** (COS): official partners

# LS2N: a major player in the regional digital ecosystem

- Valorisation structures
- Local authorities
- Regional programs
- Competitive clusters
- Industrial Research Institute

