

université  
PARIS-SACLAY

INSTITUTE DATAIA  
Data Science, Intelligence & Society

D2C  
DATAIA CLUB CONNECTION

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**ETHICS & AI**

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UVSQ  
UNIVERSITÉ PARIS-SACLAY



CentraleSupélec

école  
normale  
supérieure  
paris-saclay

AgroParisTech



INRAE

Inria



ONERA  
THE FRENCH AEROSPACE LAB

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JH  
FONDATION MATHÉMATIQUE  
JACQUES HADAMARD

CentraleSupélec  
EXE

GUSTAVE  
ROUSSY  
CANCER CAMPUS  
GRAND PARIS

Institut Mines-Télécom  
Business School

INSTITUT  
d'OPTIQUE  
GRADUATE SCHOOL  
ParisTech

IHES  
Institut des Hautes Études Scientifiques

# DATAIA PARIS-SACLAY INSTITUTE

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Located within the **Paris-Saclay University** (12<sup>th</sup> Shanghai ranking), it is the **first French ecosystem in Data Sciences, AI and their societal impacts.**

## MISSION

To bring together **multidisciplinary expertise and boost the collective strength of its partners** in the Paris-Saclay cluster with the aim of combining big data and AI technologies with social sciences and humanities for an AI at the service of humans.

## IN FIGURES

14

DATAIA members

47

laboratories  
partners

800

full-time  
researchers

10

IA chairs out of  
40 national

30

IA theses

450

PhD students  
per year



The Industrial Affiliation Plan (PAI) aims to boost the collective strength of the Institute's academic ecosystem and its industrial members. The services offered in response to the respective needs expressed include:

- Joint actions to support research;
  - Sharing of experiences and collective needs;
  - Facilitated access to recruitment;
  - Access to training, seminars, workshops, etc.;
  - Implementation of dedicated events (hackathons, challenges, etc.);
  - Access to working places to increase exchanges.
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The D2C system aims **upstream**, to present the priority research issues and to match them with the problems of industry. **Downstream**, to monitor contacts and opportunities for collaboration identified until they are set up and launched. It is part of the ambition to facilitate the establishment of several levels of collaboration and create a constructive dynamic:

1. Expertise / Student projects / Internships
2. Research collaborations / CIFRE theses
3. Joint laboratories / Joint teams
4. Multi-partner chairs

# OBJECTIVES & PROGRAM

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The main objectives of this D2C are focusing on :

- Integrate the notion of associated value by addressing the issue of ethics ROI;
- Establish the fundamental schemes of ethical charters and identify the generic levers of accountability;
- List the criteria to be put in place in order to apprehend the problems around ethics;
- Identify the critical ethical issues in the value chain of the proposed projects / use cases.

**2pm - 2:10pm**

Introduction by Bertrand Thirion - Director of the DATAIA Institute

**2:10pm - 3pm**

DATAIA researcher pitches on prospective research topics, followed by industry presentations on related issues

**3pm - 4pm**

Mini roundtables to discuss and formalize an action plan around common needs

**4pm - 5pm**

Individual meetings for more specific exchanges on bilateral collaborative projects

**5pm - 5:10pm**

Conclusion and action plan by Eric Tordjeman - Head of industrial partnerships

# DATAIA RESEARCHERS

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## Relationship between ethics and law

**Alexandra Bensamoun** (Paris-Saclay University, CERDI)  
Digital, AI, intellectual property law



## Conversational agents, emotions and nudge: towards witch ethics?

**Laurence Devillers** (Paris-Sorbonne University, LIMSI)  
Human-computer interaction, emotion detection and affective and interactive robotics

## Economics of personal data, ethics, consumer behavior and corporate strategies



**Fabrice Le Guel** (Paris-Saclay University, RITM)  
Economics of personal data, Internet of Things, consumer behavior



**Serge Pajak** (Paris-Saclay University, RITM)  
Digital business strategies, ethics, A/B testing



**Nicolas Soulié** (IMT-BS, LITEM)  
E-mobility, e-reputation, blockchain economy

# DATAIA RESEARCHERS

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**Automate machine learning solutions with a focus on avoiding problems of bias generated in data**

**Isabelle Guyon** (Paris-Saclay University, LIMSI)

Support Vector Machines (SVM), machine learning methods to address discrimination and regression issues



**Governance of goods and services affecting fundamental freedoms and equal treatment of citizens in EU countries**

**Daniela Piana** (ISP ENS Paris-Saclay, MIAS)

Socio-political analysis of AI developments and uses



**Linguistic analysis on knowledge processing and dialogue**

**Ioana Vasilescu** (Paris-Saclay University, LIMSI)

Language analysis, speech recognition, automatic language processing

# DATAIA CLUB PAI COMPANIES

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GE Healthcare

Clinical research, precision machine and AI  
at the crossroads of ethical issues

Henry Souchay - Director of Clinical Research

**GROUPE  
RENAULT**

Cultural and HR aspects requiring  
adjustments to meet ethical challenges

Rodolphe Gelin - Expert Deep Learning/Robotics  
Fabien Mangeant - Expert Leader AI

**SERVIER**  
moved by you

Difficulty in accessing medical data -  
medical secrecy, lack of patient content

Charles Hebert - Director of R&D Data Driven Program



# GUEST COMPANIES

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Making confident and responsible use of data

Pierre-Olivier Gibert - Founding President



EdTech One

Importance of privacy issues, discrimination with the increasing use of digital technology in education and training

Jean-Baptiste Plancentino - Web technology consulting



Create confidence in the proper use of safety systems to assist driver vigilance around ethical and moral rules

Stéphane Armoux - Co-founder CEO



Risk analysis on code changes: evaluation of developers' performance?

Sylvestre Ledru - Mozilla France Manager

# INSTITUTIONAL PARTNERS

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**Eric TORDJEMAN**

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