D2C

DATAIA CLUB CONNECTION

ETHICS & AI

DATAIA PARIS-SACLAY INSTITUTE

Located within the **Paris-Saclay University** (16th in the Shanghai ranking, 1st in mathematics), it is the f**irst 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

12
DATAIA members

42
laboratories partners

1,2K
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.

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

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.

Time	Description
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

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

Automate machine learning solutions with a focus on avoiding problemes 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

Lingustic analysis on knowledge processing and dialogue

Ioana Vasilescu (Paris-Saclay University, LIMSI)
Language analysis, speech recognition, automatic language processing

DATAIA CLUB PAI COMPANIES

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

Digital & Ethics

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

innov+

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