D2C DATAIA CLUB CONNECTION

ETHICS AND AI

September 17, 2020



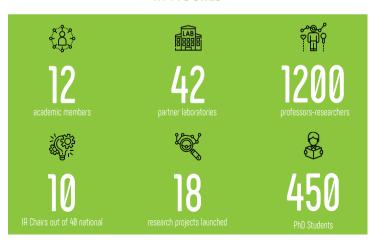
The DATAIA Paris-Saclay Institute

Located within the Paris Saclay University (16th in the Shanghai ranking, 1st in mathematics), it is the first French ecosystem in data sciences, Al 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



Industrial Affiliation Plan (PAI)

The Industrial Affiliation Plan (IAP) 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.

DATAIA Club Connection (D2C)

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
- Research collaborations / CIFRE theses
- 3. Joint laboratories / Joint teams
- 4. Multi-partner chairs

Objectives and program

The main objectives of the D2C « Ethics and AI » to be addressed are:

- 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

Conversational agents, emotions and nudge: towards which ethics?



Laurence Devillers (Université Paris-Sorbonne, LIMSI) Research: human-computer interaction, emotion detection and affective and interactive robotics

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



Fabrice Le Guel (Université Paris-Saclay, RITM)
Research: economics of personal data, Internet of Things, and consumer behavior



Serge Pajak (Université Paris-Saclay, RITM) Research: digital business strategies, ethics, and A/B testing



Nicolas Soulié (IMT-BS, LITEM) Research: e-mobility, e-reputation, and the blockchain economy

Relationship between ethics and law



Alexandra Bensamoun (Université Paris-Saclay, CERDI) Research: digital, AI, and intellectual property law

DATAIA researchers

Linguistic analysis on knowledge processing and dialogue



Ioana Vasilescu (Université Paris-Saclay, LIMSI) Research: language analysis, speech recognition, and automatic language processing

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



Daniela Piana (ISP ENS Paris-Saclay, MIAS)

Research: socio-political analysis of AI developments and uses

Automate ML solutions with a focus on avoiding the problems of bias generated in the data



Isabelle Guyon (Université Paris-Saclay, LIMSI) Research: Support Vector Machines (SVM), machine learning methods to address discrimination and regression issues

DATAIA Club PAI Companies

Clinical research, precision medicine and Al. at the crossroads of ethical issues



GE Healthcare Henry Souchay - Director of Clinical Research

Cultural and HR aspects requiring adjustments to meet ethical challenges



Rodolphe Gelin - Expert Deep Learning and Robotics Fabien Mangeant - Expert Leader Al

Difficulty in accessing medical data (medical secrecy, lack of patient consent)



Charles Hebert - Director of R&D Data Driven Program

Invited companies

«Comfortable with Data»

Making confident and responsible use of data



Pierre-Olivier Gibert - Founding President

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



Jean-Baptiste Piacentino - Entrepreneur and web technology consulting

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



Stéphane Arnoux - Co-founder CEO

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



Sylvestre Ledru - Mozilla France Manager

Institutional partners

















Institut Convergence 17-CONV-0003 INSTITUT DATAIA (I2DRIV

Institut DATAIA Paris-Saclay Centre de Recherche Inria Saclay - Île-de-France Campus de l'École Polytechnique - Bâtiment Alan Turing 1 rue Honoré d'Estienne d'Orves 91120 Palaiseau

Service Communication com-dataia@inria.fr

