

D2C

DATAIA CLUB CONNECTION

RGPD PRIVACY

January 14, 2021

université
PARIS-SACLAY

INSTITUT DATAIA
Science des données, Intelligence & Société

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, 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

academic members



42

partner laboratories



1200

professors-researchers



10

IA Chairs out of 40 national



18

research projects launched



450

PhD Students

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

Objectives and program

The main objectives of the D2C « *RGPD Privacy* » to address are:

- Facilitate RGPD enforcement around responsible and practical solutions;
- To feed ML models with encrypted data;
- Addressing data and software anonymization methods.

2pm - 2:10pm	Introduction by Bertrand Thirion - <i>Director of the DATAIA Institute</i>
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 - <i>Head of industrial partnerships</i>

DATAIA researchers

Differential privacy and deep learning



Catuscia Palamidessi (Inria, LIX)

Research: privacy machine learning and fairness

Connection with local and global differential privacy



Pablo Piantanida (CentraleSupélec, L2S)

Research: deep learning, information representation, inference mechanisms

Privacy related to mobile networking



Aline Carneiro (Inria)

Research: indistinguishability in mobile and geographic datasets

Data privacy and security



Nicolas Anciaux (Inria, CNRS)

Research: security/privacy issues in the context of « *Personal Data Management Systems* ».

DATAIA researchers

Cybersecurity and data protection



Thibaud Antignac (CEA List, LSL)

Research: privacy, security, language-based techniques, and innovation

Legal and privacy



Alexandra Bensamoun (Université Paris-Saclay, CERDI)

Research: digital AI and intellectual property law

Development of privacy charters



Fabrice Le Guel (Université Paris-Saclay, RITM)

Research: industrial economy, digital economy, privacy and computational economy

Tools for feedback on the sharing and control of personal data



Adrian Popescu (CEA List)

Research: image recognition, multimedia information retrieval, user privacy, content geolocation

DATAIA Club PAI Companies

Privacy applied to medical imaging data



GE Healthcare **Henry Souchay** - *Clinical Research Manager*

Anonymized data for connected vehicles
Customer relations beyond the vehicle

**GROUPE
RENAULT**

Rodolphe Gelin - *Expert Deep Learning and Robotics*

Regulation, performance, efficiency, confidentiality
in accessing clinical data



Charles Bettembourg - *Global Data Governance*

Handling of medical data: difficulty of access,
medical secrecy, non consent of the patient



Invited companies

Differential privacy mechanisms on time series data



Pierre-Olivier Gibert - *Founding President*

Guarantees of Differential Privacy and homomorphic encryption: cross-referencing of sensitive data and collection of consents



Laurent Dupont – *Data Scientist Senior*
Richard Diani – *Data Scientist*

Institutional partners



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