

université
PARIS-SACLAY

INSTITUTE DATAIA
Data Science, Intelligence & Society

D2C
DATAIA CLUB CONNECTION

NLP

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UVSQ
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CentraleSupélec

école
normale
supérieure
paris-saclay

AgroParisTech



INRAE

Inria



ONERA
THE FRENCH AEROSPACE LAB

FM
JH
FONDATION MATHÉMATIQUE
JACQUES HADAMARD



CentraleSupélec

EXE

GUSTAVE
ROUSSY
CANCER CAMPUS
GRAND PARIS

IMT
Institut Mines-Télécom
Business School

INSTITUT
d'OPTIQUE
GRADUATE SCHOOL
ParisTech

IHES
Institut des Hautes Études Scientifiques

DATAIA PARIS-SACLAY INSTITUTE

Located within the **Paris-Saclay University** (12th 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



The main objectives of this D2C are focusing on :

- Facilitate RGD enforcement around responsible;
- Feed ML models with encrypted data;
- Addressing data and software anonymization methods.

2pm - 2:10pm

Introduction by Bertrand Thirion

2:10pm - 3pm

DATAIA researchers pitches on prospective research topics followed by industrialists 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



Data privacy and security

Nicolas AnCIAUX (Inria, CNRS)

Security and privacy issues in the context of « Personal Data Management Systems »



Privacy related to mobile networking

Aline Carneiro (Inria)

Indistinguishability in mobile and geographic datasets



Differential privacy and deep learning

Catuscia Palamidessi (Inria, LIX)

Privacy machine learning and fairness



Connection with local and global differential privacy

Pablo Piantanida (CentraleSupélec, L2S)

Deep learning, information representation, inference mechanisms

DATAIA RESEARCHERS



Cybersecurity and data protection

Thibaud Antignac (CEA-List, LSL)

Privacy, security, language-based techniques and innovation



Legal and privacy

Alexandra Bensamoun (Paris-Saclay University, CERDI)

Digital AI and intellectual property law



Development of privacy charters

Fabrice Le Guel (Paris-Saclay University, RITM)

Industrial economy, digital economy, privacy and computational economy



Tools for feedback on the sharing and control of personal data

Adrian Popescu (CEA-List)

Image recognition, multimedia information retrieval, user privacy, content geolocation

DATAIA CLUB PAI COMPANIES



GE Healthcare

Privacy applied to medical imaging data

Henry Souchay - Clinical Research Manager



Anonymized data for connected vehicles and customer relations beyond it

Rodolphe Gelin - Expert Deep Learning and Robotics

sanofi

Regulation, performance, efficiency, confidentiality in accessing clinical data

Charles Bettembourg - Global Data Governance

SERVIER 
moved by you

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

GUEST COMPANIES



Differential privacy mechanisms on timeseries data

Pierre-Olivier Gibert - CEO



Guarantees of differential privacy and homomorphic encryption: cross-referencing of sensitive data and collection of consents

Laurent Dupont - Senior Data Scientist
Richard Diani - Data Scientist


INSTITUTIONAL PARTNERS





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