université PARIS-SACLAY

INSTITUTE DATAIA
Data Science, Intelligence & Society

INTERACTION VISUALIZATION

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

PAI

Programme d'Affiliation Industrielle

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.

D2C

DATAIA CLUB CONNECTION

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 :

- Analysis and visualization of social networks: large masses of data ;
- Application on image walls: large display capacities;
- 3D AR/VR augmented reality: application in particle physics;
- Visualization applied to IoT: people tracking.

2PM - 3PM	3' pitches by DATAIA researchers on prospective research topics followed by industry presentation on related issues
3PM - 4PM	15' one-to-one meeting with a view to setting up new collaborations

DATAIA RESEARCHERS

Visualization for mobile, wireable devices, sports tracking and video games

Petra Eisenberg (Inria, AVIZ)
Information visualization, visual analysis, computer-supported cooperative work, human-computer interaction in general

Collaborative immersive data exploration in AR data visualization

Tobias Eisenberg (Inria, AVIZ)
Interactive exploration of 3D data, immersive visualization, illustrative data visualization

Improving the analysis and visualization of large and complex datasets by combining analysis methods with interactive visualizations

Jean-Daniel Fekete (Inria, AVIZ)
Visualizing information, making complex data visual and understandable, visual analysis, computer graphics and traditional animation, digital typography, digital manuscript management

Design, development and evaluation of interaction and visualization techniques: novel forms of input and displays in specific areas

Emmanuel Pietriga (Inria, ILDA)
Interaction for large heterogeneous datasets, high-resolution wall displays, AR to VR mixed reality, multi-user systems

GUEST COMPANIES

DASSAULT SYSTEMES

How to better represent data in a VR environment

Franck William - Intelligent Specialist 3DExperienceLab

BnF Bibliothèque nationale de France

Help users find their way through the mass of collections while improving the visibility of unknown parts

Jean-Philippe Moreux - Scientific Expert
Lucie Termignon - Scientific Expert

Feelim
emotional marketing assistant

Social media: how to qualify the feeling that produce?

William Bernal - CEO

INSTITUTIONAL PARTNERS

université PARIS-SACLAY

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