

Our ambition: create a European champion on AI & Data Science for society competing with the very best institutions in the world.

The Center sets a standard of excellence with its interdisciplinary approach to educational programs, high-level research projects and innovation, which benefits science, the economy, public-decision makers and society. Hi! PARIS was founded by HEC Paris and Institut Polytechnique de Paris and joined in 2021 by Inria - *Institut national de recherche en sciences et technologies du numérique* - Saclay Center.

Thanks to seven corporate donors, L'Oréal, Capgemini, TotalEnergies, KERING, Rexel, VINCI and Schneider Electric, the Center conducts breakthrough multidisciplinary research, provides the economy with the best talent and foster a vibrant eco-system for innovation.

L'ORÉAL

Capgemini

TotalEnergies

KERING

REXEL

VINCI

Schneider Electric

Hi! PARIS  
PARIS ARTIFICIAL INTELLIGENCE FOR SOCIETY

METHODS FOR AI AND MACHINE LEARNING  
AI & DATA SCIENCE FOR BUSINESS  
SOCIETAL IMPLICATIONS OF AI

ARTIFICIAL INTELLIGENCE  
SMART LAW  
FINTECH  
STATISTICAL LEARNING  
COMPUTER GRAPHICS  
NEURAL NETWORKS  
NEUROIMAGING  
HEALTHCARE  
FAIRNESS AND NON-DISCRIMINATION  
VIRTUAL REALITY  
AUGMENTED REALITY  
ETHICS

Hi! PARIS  
PARIS ARTIFICIAL INTELLIGENCE FOR SOCIETY

REVOLUTIONIZING AI  
& DATA SCIENCE  
FOR SOCIETY

Website: [www.hi-paris.fr](http://www.hi-paris.fr)  
Email: [contact@hi-paris.fr](mailto:contact@hi-paris.fr)  
Phone: +33 (0) 1 75 31 92 03

FOUNDING MEMBERS

HEC  
PARIS

INSTITUT  
POLYTECHNIQUE  
DE PARIS

Inria

## RESEARCH

Hi! PARIS is an interdisciplinary community of outstanding scientists, who lead pioneering research on AI and data science to develop a strategic vision for economic and public decision makers in France and Europe. Their scientific breakthroughs will allow new solutions to thrive in all business sectors whilst creating significant impact on society.

### 13 chairs

Thirteen new professors, internationally renowned in their fields, were recruited and allocated funds to build their research teams. They also contribute to education programs and supervise doctoral students, in the following themes: Strategy, Finance, Marketing, Econometrics, Machine learning for computer vision and Reinforcement learning applied to energy.

### 6 fellowships

Six selected fellows were appointed for 3 years and allocated a budget to recruit research team members, fund PhD students and support a variety of research activities in the following themes: FinTech, Decision Making, Federated Learning, Econometrics, Computer graphics, Statistical Learning, and Smart Law.

### 3 PostDoc fellowships

From 2023, the Center offers 2-year postdoctoral fellowships for excellent early-career researchers in AI and Data Science.

### 34 PhD thesis

The Center offers 3-year PhD funding. The PhD students are meticulously selected for their academic excellence and highly innovative minds in the fields of AI & Data Science. They play a key role in the development and output of cutting-edge research from Hi! PARIS.

### 32 academic projects

The Center supports the research projects of the affiliated Professors by funding collaborative and scientific projects involving data collection, internships, invited researchers, equipment purchase, travels, meetings and conference organization.

## GRANTS AND PUBLICATIONS

5 ERC Grants from 2021 to May 2023  
Hi! PARIS researchers have received ERC (European Research Council) Grants. This competitive long-term funding supports outstanding established researchers to pursue ground-breaking, high-risk projects.

## 180+ affiliated research fellows

Hi! PARIS experts are globally recognized. From 2021 to 2023, 140+ publications at ICLR, ICML and NeurIPS, three top international conferences in AI and Machine Learning.

## EDUCATION

Available data and AI capability have grown exponentially, thus giving rise to a need for new expertise in industry. Hi! PARIS has developed several activities in data science and management to train the future driving forces to match employers' emerging needs. These programs are open to all students not just those of HEC Paris, IP Paris and its schools.

**1,290** students involved since 2021 in these transversal activities:

The X-HEC Master of Science Data Science for Business is ranked **#3 worldwide** and **#1 in Europe**.

### Hi!ckathon

An annual 2-Day competitive data challenge offering a preparatory program of 3-5 weeks. 4 editions from 2021 to 2023 on societal topics (AI and Energy Efficiency, AI and Sustainability, AI and Energy Sobriety, AI, Olympic Games 2024 & Supply Chain).

### Summer School

An annual 4-day event on AI. It covers a wide range of topics in the domain of AI and Data Science from different perspectives through tutorials with two parallel tracks («Data Science and AI for Business and Society» and «Theory and Methods of AI»),

keynote addresses from globally acclaimed academics as well as industry and academic panels. It is designed for Master and PhD students, post docs, academics, and practitioners interested in expanding their knowledge.

### Data Bootcamp

2 times 1-week hybrid seminar for Bachelor, Master and MBA students wishing to discover Data Science, Python Programming through real use cases and applications of AI.

### Capstone projects

10 weeks of practical work mentored by an academic tutor and a company representative, on a subject and dataset proposed by the company.

**Career Fair** gives the opportunity for students to discover and better understand the fantastic job opportunities our corporate donors have to offer in AI and Data science.

## INNOVATION

To help researchers have a better impact on society and encourage technological transfer, Hi! PARIS greatly promotes synergies between its large entrepreneurial ecosystem and corporate donors.

**HFactory** is the first startup arising from the Hi! PARIS ecosystem, which is geared towards cultivating many more start ups. It provides a unique and integrated Learning Content Management System (LCMS) dedicated to data science and AI education as well as services to assist in organizing data challenges or hackathons. Hi! PARIS has chosen HFactory for managing all the data events.

### The Engineering Team

consists of seven engineers who assist Hi! PARIS researchers throughout the entire process of their projects, starting from the initial idea to the training of the AI model and its deployment for societal use.

- 25 projects successfully delivered.
- 48 GitHub repositories and six packages to contribute to the open-source community.
- 10+ datasets collected, and an open-source database is currently under development.
- Creation of an Engineer Toolbox, which offers valuable scripts for machine learning projects to the AI community.

They actively collaborate with startups and associations to implement research findings that serve the betterment of society.

The Engineering Team also drives all the data events (Data Bootcamp, Hi!ckathon) and contributes to several courses within our schools.

## VISIBILITY

Hi! PARIS events cultivate an interactive and collective dynamic between participants, where researchers, experts and corporate donors share expertise and foster new ideas through a variety of formats, including round-table panel discussions, keynote address and lab research presentations.

**+2000** participants

### AI Symposium

On 2022, Hi! PARIS the Center proposed the first edition of an biennially 3-day scientific conference, featuring prominent international speakers on AI and its applications to social sciences.

### Webinars

Webinars are dedicated to AI & societal impact (Healthcare, Sustainability, Trustworthy and Algorithm bias).

### Exceptional Scientific Seminars

They are presented by invited professors and researchers.

### Hi! Tuesdays - Reading groups

A open monthly meetings address to academic researchers and technical teams of companies to foster interaction between theoretical techniques and corporate perspectives. Topics since 2022: transformers, uncertainty, graph neural

networks, reinforcement learning, federated learning.

### Meet Up!

An open event to give the opportunity to build bridges between Hi! PARIS scientific academic experts and the economic communities. A great opportunity to connect to the latest research on a key topic related to AI and to network with business leaders (R&D / R&T / R&I Teams, Data scientists, Prospective team, policy makers) and academics! We start with a poster session before a short presentation or panel discussion with some Hi! PARIS researchers, expert in the domain. The Q&A session and the networking cocktail allow to extend the discussion.

### #WomenInScience

An annual event to contribute to the global topic of gender balance in scientific research and business careers, as part of the International Day of Women and Girls in Science (UNESCO).