Hub France IA
Working Groups 2020
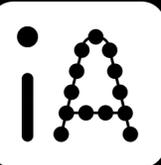
HUB
FRANCE

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Groups currently in launch or under development

Groups currently under development:

- Banking and insurance

- Energy

- Environment

- Legal

- Mobility

- Industrial processes

- Health

- Vision

- Groups currently in launch:

- Certification

Hub France IA - Working Groups 2020

AI Cybersecurity Group

About the Group:

The CyberAI group works on three primary cybersecurity issue areas that arise in both civil and military contexts:

- The security of machine learning components , training data, and the resulting models that are generated

- The role of AI in cybersecurity and cyberdefense

- The use of machine learning techniques in cyberattacks and possible countermeasures

CyberAI Group meetings follow the Chatham House Rule. The Group produces both academic resources (including publication, seminars, conferences) and operational work (including advising services and projects). The group has also developed a Contact Group for Action and Support with the capacity to provide operational support to a startup or other enterprise with vital strategic interests.

Objective:

To respond to key issue areas regarding cybersecurity in civil and military contexts

Deliverables:

Publications, seminars, calls for proposals, international cooperation, and the Contact Group for Action and Support capacity to provide operational support to a startup with vital or significant strategic interests.

Ethics Group

About the Group:

Artificial intelligence poses critical ethical questions. We are regularly confronted with challenging questions: how is our individual data used? How transparent are the algorithms that affect us? How much power will we willingly give to a machine? To stay the course, to place not only human values but also civic values at the heart of AI, philosophers and scientists must work together to think through the best ways to establish a relationship of trust between people and AI. Creating governance frameworks and limits on the current and future uses of artificial intelligence is an important cause. Above all, everyone must be able to understand the ethical issues AI poses and allowed to take a critical view. We will need to critique not only the most sensational threats of AI but also the subtler, more likely ways our use of AI can go adrift.

Objective:

To create governance frameworks and limits on the current and future uses of artificial intelligence is an important cause. Above all, everyone must be able to understand the ethical issues AI poses and allowed to take a critical view. We will need to critique not only the most sensational threats of AI but also the subtler, more likely ways our use of AI can go adrift.

Deliverables:

An analysis of the European Commission Ethics Guidelines for Trustworthy Artificial Intelligence.

Customer Experience Group

About the Group:

How can companies choose and collaborate with an AI startup to transform the experience they provide their customers? The Hub France IA Customer Experience Group, led by the French Customer Relations Association (*Association Française de la Relation Client*), studies the AI solutions designed to improve customer experience.

In more detail: the Customer Experience Group deliverable is a white paper that summarizes the lessons learned from collaboration between large companies and startups. This white paper identifies the most relevant startups specializing on those issues that arise at each step on the customer journey. Large companies benefit from the opportunity for data-driven transformation, while startups benefit from growth opportunities: there is much to learn on both sides of this collaboration and many opportunities for mutual benefit.

Objective:

- An industry map of technology providers and the AI or Customer Relations solutions for each market use case

- Forecasting the impact of AI on employment and skills

- Identification of regulations, rules, and European directives that could impact customer experience

- Development of a Voice Virtual Assistant in France

Deliverables:

Industry maps, white papers, investigations, studies.

About the Group:

The goal of the Hub France IA Training and Development Group is to develop the Hub's training services and strategies for implementation. Hub France IA's training offerings must respond to the specific needs of Hub members. The Training and Development Group achieves this goal by identifying and assessing existing training services available on the market, facilitating the production of new services and personalized training opportunities where gaps exist, and identifying trainers who are capable of teaching these programs on behalf of the Hub

Objective:

To respond to the training needs of Hub members. To do so, we will need:

- To create a training needs assessment tool for Hub members

- To identify and assess training services available on the market

- To develop new training programs where no services currently exist

- To develop personalized services, adapted to the specific needs of certain Hub members

- To identify trainers (individual experts or organizations) that are capable of carrying out training programs

Deliverables:

Training Capsules, Executive Committee trainings, Professional experience, Techniques, and identifying emerging roles.

Media Group

About the Group:

Media is an important aspect of daily life, but also a foundation of our democracy. Faced with Facebook and Google's growing control, it is fair to ask if we still maintain control of our own media. Traditional information sources are on the decline and from time to time are discredited, and Internet alternatives have their own faults (notably, fake news). There is therefore a clear need to create tools capable of intelligently personalizing news without confining users to their usual sources, while at the same time providing them with the means to distinguish what's true and what's false. Artificial intelligence has all the necessary qualities to take on this role.

Objective:

To create tools capable of intelligently personalizing news without confining users to their usual sources, while at the same time providing them with the means to distinguish what's true and what's false.

Deliverables:

A Call For Proposals for shared data control.

Human Resources Group

About the Group:

The HR Group works to describe and forecast the impacts of AI use on human resource management and the role of HR in order to anticipate and manage future changes. The Group plans to study 7 thematic domains: HR data, the organizational domain, change management and AI ethics, forward-looking management of employment and skills, the managerial domain, the opportunities and threats of AI for quality of life at work, and the social domain. The HR Group is jointly led by a Director of the French national employment agency (Pôle Emploi) and Hub France IA.

Objective:

The HR Group works to describe and forecast the impacts of AI use on human resource management and the role of HR in order to anticipate and manage future changes.

Deliverables:

An ethical charter, standards and indicators of AI development.

Transport & Logistics Group

About the Group:

The Hub France IA Business Transport and Logistics Group created a non-profit association, The AI Cargo Foundation (*IA Cargo Fondation*), with the primary goal of creating a common resource, in the form of a technological platform, to simplify collaboration among actors in the Transport and Logistics sector. The AI Cargo Foundation offers the best of Big Data technologies and accelerates the creation of artificial intelligence applications, via its ready-to-use Digital Workplace toolkit, while prioritizing the energy transition. The AI Cargo Foundation Store offers a single access point for numerous turnkey solutions and collaborative APIs.

Objective:

To create new AI-based products and services to improve the competitiveness of its subsidiary on the global scale.

Deliverables:

A data sharing platform for actors in the transport sector.

Voice Group

About the Group:

The Voice Group represents members of the "Le Voice Lab" consortium. Le Voice Lab brings together French companies and laboratories working on Voice AI.

Objective:

To make the French and European Voice AI ecosystem competitive on the international level. For many companies and States, the GAFAM (Google, Apple, Facebook, Amazon, Microsoft) or BATX (Baidu, Alibaba, Tencent, Xiaomi) solutions are not compatible with their strategic interests. The Voice Group aims to offer a European alternative to these incumbent technologies.

Deliverables:

- To design a marketplace that enables French and European actors to unite to fight against industry fragmentation

- To standardize APIs in order to facilitate access to voice services

- To create a 'neutral' environment that ensures secure and confidential storage of voice data