2020 Atos IT Challenge
the 1st international student competition dedicated
to technological innovation
About Atos
Atos ID card

- 110,000 experts worldwide
- Present in 73 countries
- Leading pure player in Europe¹
  Top 5² digital world leader
- €11bn 2019e revenue
- €1.2bn 2019e operating margin
- c. 5,000 patents
- c. €250m R&D per annum

Worldwide IT Partner
Of the Olympic and Paralympic Games

Note: Data as of December 31, 2018
1) First European player 2) Pro-forma Syntel acquisition
Our differentiator

Leading Innovation

▶ Only digital services company to aggressively invest in innovation at scale
▶ Circa €1 billion R&D spend over 4 years, circa 5,000 innovation patents
▶ First company to set up an internal Scientific and expert community

Unmatched Breadth

▶ Only IT company to manage the whole value chain of data
▶ Proven specialized industry-specific solutions and services portfolio
▶ Global presence in 73 countries, circa 110,000 experts worldwide

Trusted Partnership

▶ We invest in trusted long-term relationships
▶ Established world-renowned partnerships with Siemens, Worldline, Google Cloud
▶ Building partnerships with clients and start-ups
Our international presence

110,000 employees working in 73 countries
What is the challenge all about?

**An international competition**
For students from all around the world in Austria, Brazil, China, France, Germany, India, Netherlands, Russia, South Korea, Spain, Turkey, UK, US...

**Support for the Student teams from experts in the Scientific Community**
To help the students in developing their ideas

**A challenging contest**
Challenging not only students innovation qualities but also development and business, offering an unique learning experience

**An amazing reward program**
1\textsuperscript{st} : 10,000€
2\textsuperscript{nd} : 5,000 €
3\textsuperscript{rd} : 3,000 €
+ Invitation to the Awards Ceremony in Paris
+ Work experience and opportunities within the Atos Group
The theme: Cooperative Artificial Intelligence

Artificial Intelligence is set to become one of the most disruptive technological developments ever.

Artificial Intelligence is comprised of a number of technologies and algorithms that analyses data and gives computers the ability to “learn”. AI is already being applied in many areas including Medical Diagnosis, Fraud Detection, Driverless Vehicles, Security Surveillance and Video Gaming.

Increasingly we will see otherwise disparate AI solutions cooperating with each other to share information and make joint decisions. The concept of Swarm Intelligence has been around since the late 1980’s and has been used to describe the collective behaviour of decentralised, self-organising systems whether they be natural or artificial. Combine this thinking with AI and the Internet of Things and we could have the next evolution of intelligent computing paradigms.
The Challenge:
Cooperative Artificial Intelligence

Increasingly we will see otherwise disparate AI solutions cooperating with each other to share information and make joint decisions.

Devise an innovative use case and build a prototype which demonstrates Cooperative Artificial Intelligence. Show how you could further develop your solution and take it to market.

You may wish to use Google’s Machine Learning and Tensor Flow framework, or other Machine Learning services from the likes of Microsoft or Amazon.

We are looking for interesting applications that could have immediate and impactful real world applicability.
The challenge is split into main 6 phases

- **Idea Submission**
  - **66 days**
  - Until Nov 30, 2019
  - Come up with an innovative concept for an application based on Cooperative Artificial Intelligence
  - Join the competition

- **First Jury**
  - Dec 1, 2019 - Dec 15, 2019
  - First Jury made up of the Atos Scientific Community members selects the 15 best concepts

- **App Development**
  - Dec 16, 2019 - Apr 2020
  - 15 shortlisted teams work on their app development with the help of an Atos coach

- **App Delivery**
  - Apr 2020 - May 2020
  - App testing in Atos Competence Center

- **Final Jury**
  - Apr 2020 - May 2020
  - The 15 teams pitch their ideas in front of a Final Jury selecting the 3 best teams

- **Awards Ceremony**
  - Jul 2020
  - The 3 finalists are invited to Paris for the Awards Ceremony
Getting your tickets for the development phase

First jury roadmap

- Alignment with the **theme**  
  5pts

- **Benefit of the service** for **end-users** (Usefulness, novelty)  
  5pts

- **Benefit of the service** for **business partners**  
  5pts

- Personal **feeling** (Originality, I like it...)  
  5pts

- Reality of **business model** (Feasibility, market size, risks,...)  
  5pts

- Technical **feasibility** (Architecture, project plan...)  
  5pts
More information

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Atos IT Challenge
Join the Atos ITChallenge

- Add to your resume an unique experience that will make the different
- Meet professionals, experts, students that will change you
- Take the chance to develop your own project and win a great reaward
Any questions?  
Contact us: itchallenge@atos.net

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