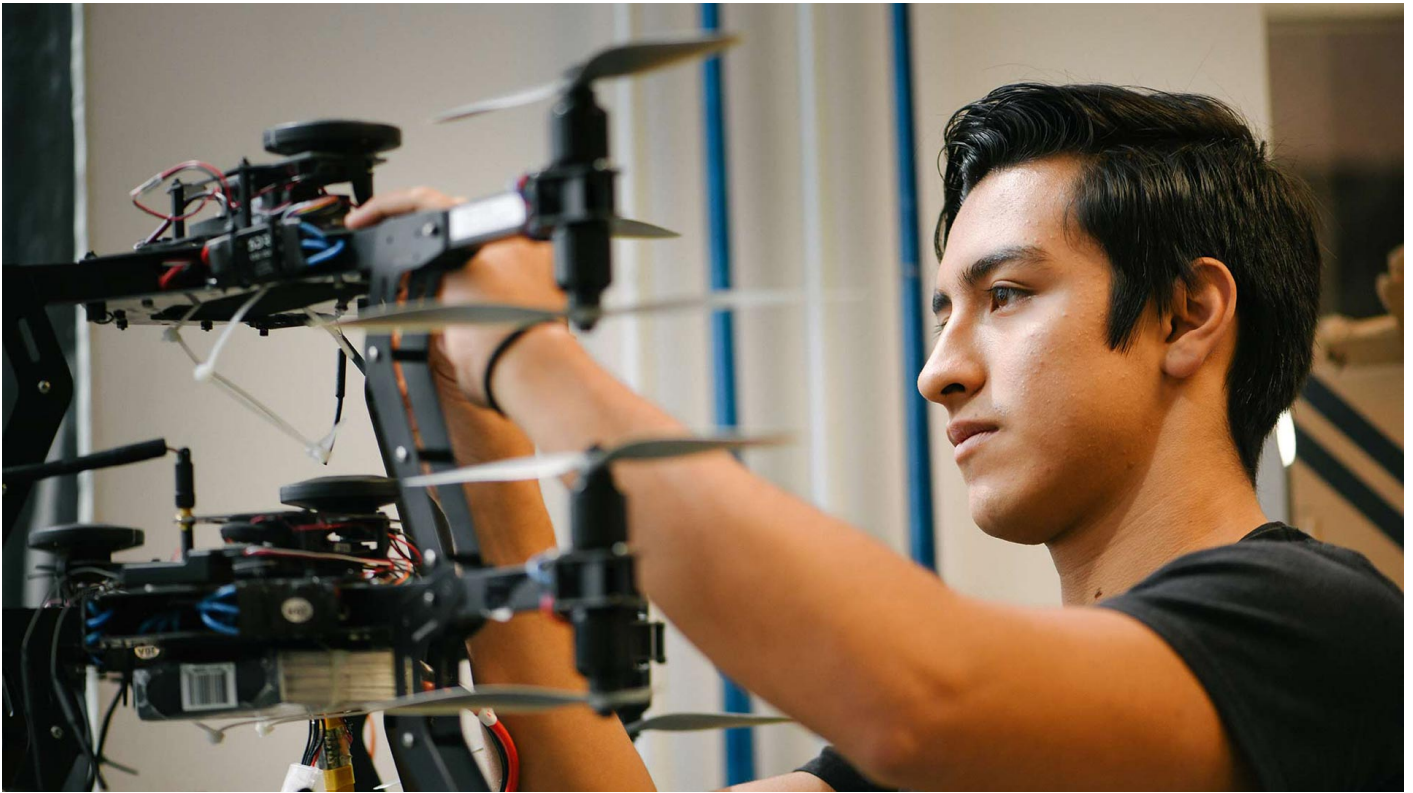# The Tec negotiates with the Hasso Plattner Institute to send students
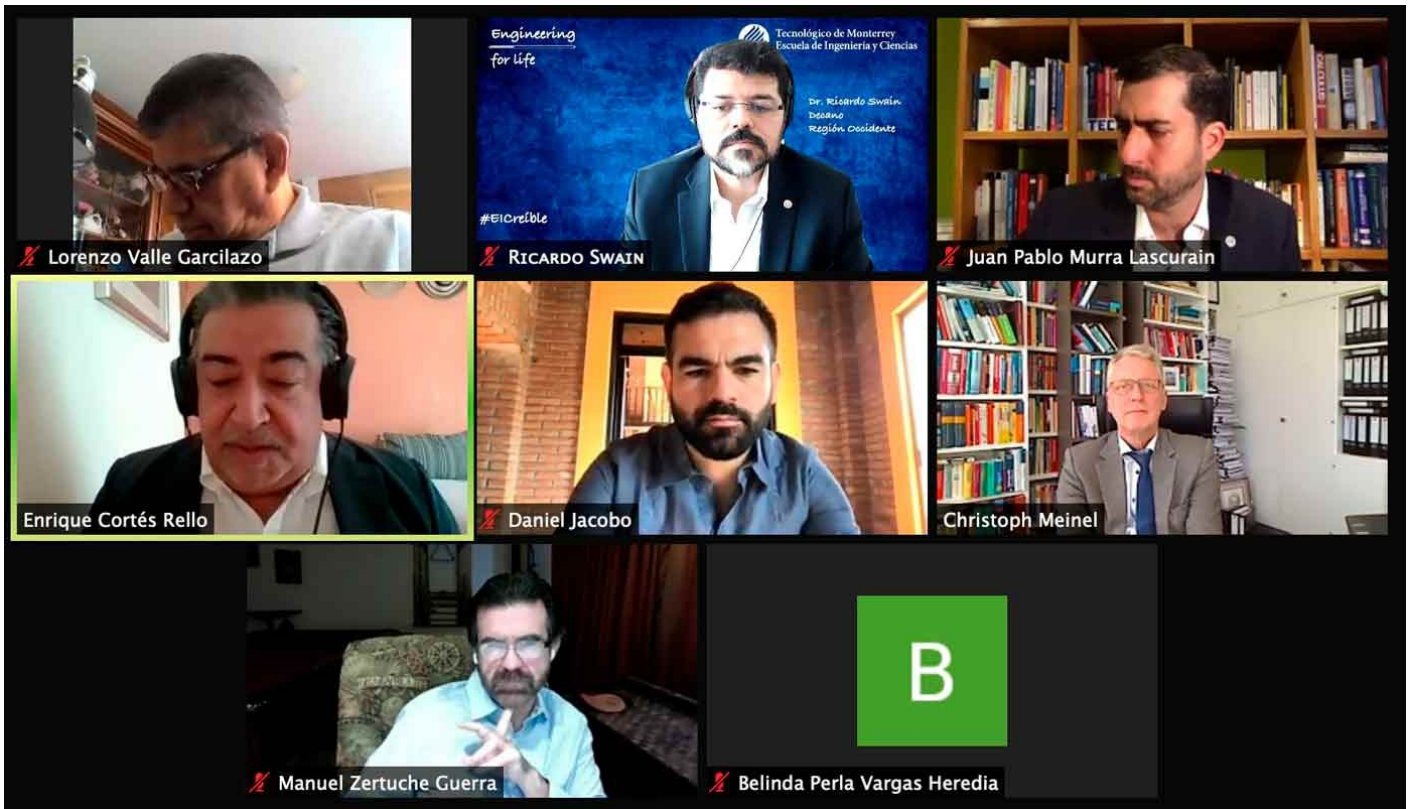

The partnership between the Tec de Monterrey's **Master's in Computational Sciences** and the **Hasso Plattner Institute (HPI)** will enable postgraduates to do their **doctorates in Germany.**

The agreement also contemplates joint institutional **research projects on information technology** and **artificial intelligence.**

In turn, this will create more **research internships for professors** and the university will make arrangements for doctoral candidates to be granted these internships too.

The following are the most noteworthy aspects of the agreement signed by **Manuel Zertuche**, dean of the Tec's School of Engineering and Sciences (EIC), and by **HPI director** Christoph Meinel.

The HPI belongs to the **University of Potsdam** in Germany. It expects to welcome the first doctoral candidates in **January, 2022**.

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Artificial intelligence and computer science

The agreement specifies the fields covered by the **joint partnership** between the Tec and the **Hasso Plattner Institute**, which include:

- *Digital engineering for **Industry 4.0** and digital transformation*
- *Digital engineering for **agriculture, the environment, nature, and climate change***
- *Digital engineering for **environmentally-aware cities and factories***
- ***Digital medicine and personalized medicine***
- *Digital engineering for **the automotive industry and advanced manufacturing***
- ***Digital energy** or digital technology to manage new forms of clean energy*
- ***Artificial intelligence and entrepreneurship**.*

Also, **ethical considerations** in the implementation and impact of artificial intelligence, which is one of the areas of interest of the Tec de Monterrey's **Artificial Intelligence (AI) Hub**.

The HPI excels in research into *digital engineering* or computer science and **artificial intelligence** with a focus on innovation in IT systems and data engineering technologies.

Enrique Cortés, director of the **Tec's IA Hub** highlighted the fact that the **HPI possesses over 10 research centers**, each of which has its own specialty.

Cortés and Jürgen Döllner, his German counterpart, will **set up their respective research committees** and **teams of participants** in both organizations.

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Postgraduate studies in Germany: a strategic alliance

Ricardo Swain, dean of EIC Western Region said that the **relationship with HPI is strategic** due to the interaction it enjoys with **leading universities.**

*"The **HPI is ground-breaking** and its principal area of development is **information technologies**. The agreement will help us strengthen this field in the Tec and the Artificial Intelligence Hub,"* he added.

*"It is an institute that has managed to set up close ties with the **finest educational institutes** in the world, including **Stanford**",* he told us.

Enrique Cortés said, "*the HPI is a highly prestigious institution in Europe. Its **strength is its doctoral programs** and scientific research".*

*"We want to **vitalize our doctoral programs** and **scientific research**, which makes this agreement a perfect fit for the Tec and for our students,"* he added.

Now the **EIC will open registration to** Tec graduates **with a** Master's in Computer Sciences.

Participants will receive a **full scholarship**.

They will also be given **financial support to put towards their living expenses** in Germany. Doctoral candidates will also be assigned postgraduate coordinators in both the Tec and the HPI.

"This evidences the regional and international prestige enjoyed by the Tec because we are forging a working relationship with a world-class institution."

High-quality research

Cortés said that making this agreement a reality is important to the Tec de Monterrey because **fostering research** is one of our university's priorities.

*"This evidences the **regional and international prestige** enjoyed by the Tec because we are forging a working relationship with a world-class institution."*

*"It is also a solid step forward to consolidate our university as a **research center of the highest quality**"*, he said.

The HPI was born in Germany and wants to reach out into the world by forging ties with prestigious organisms or universities in different regions.

It has research centers called **Hasso Plattner Research Schools** in countries such as **China, Israel, South Africa, and the United States**.

This agreement contemplates a second phase involving a **Hasso Plattner Research School** on the **Tec de Monterrey campus in Guadalajara**.

Swain explained that the idea of establishing a Hasso Plattner school in Guadalajara is **to have a regional impact** and afford **HPI its first base in Mexico** in the Jalisco State capital.

Making this space a reality for HPI would open the doors to an **incipient relationship with Mexico and Latin America** and enable HPI to contribute to the AI development in this part of the world.

The HPI has research centers in:

- ***The University of Cape Town, South Africa.-*** *Focused on the design of computer solutions and systems (algorithms) to achieve the UN's sustainable goals.*
- ***Technion Haifa, Israel.-*** *Computer sciences and electronic engineering*
- ***Nanjing University, China.-*** *Data analysis specialty*
- ***The University of California Irvine, United States.-*** *Data science and machine learning.*
- ***The Icahn School of Medicine at Mount Sinai, United States.-*** *Digital health and health with AI.*

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