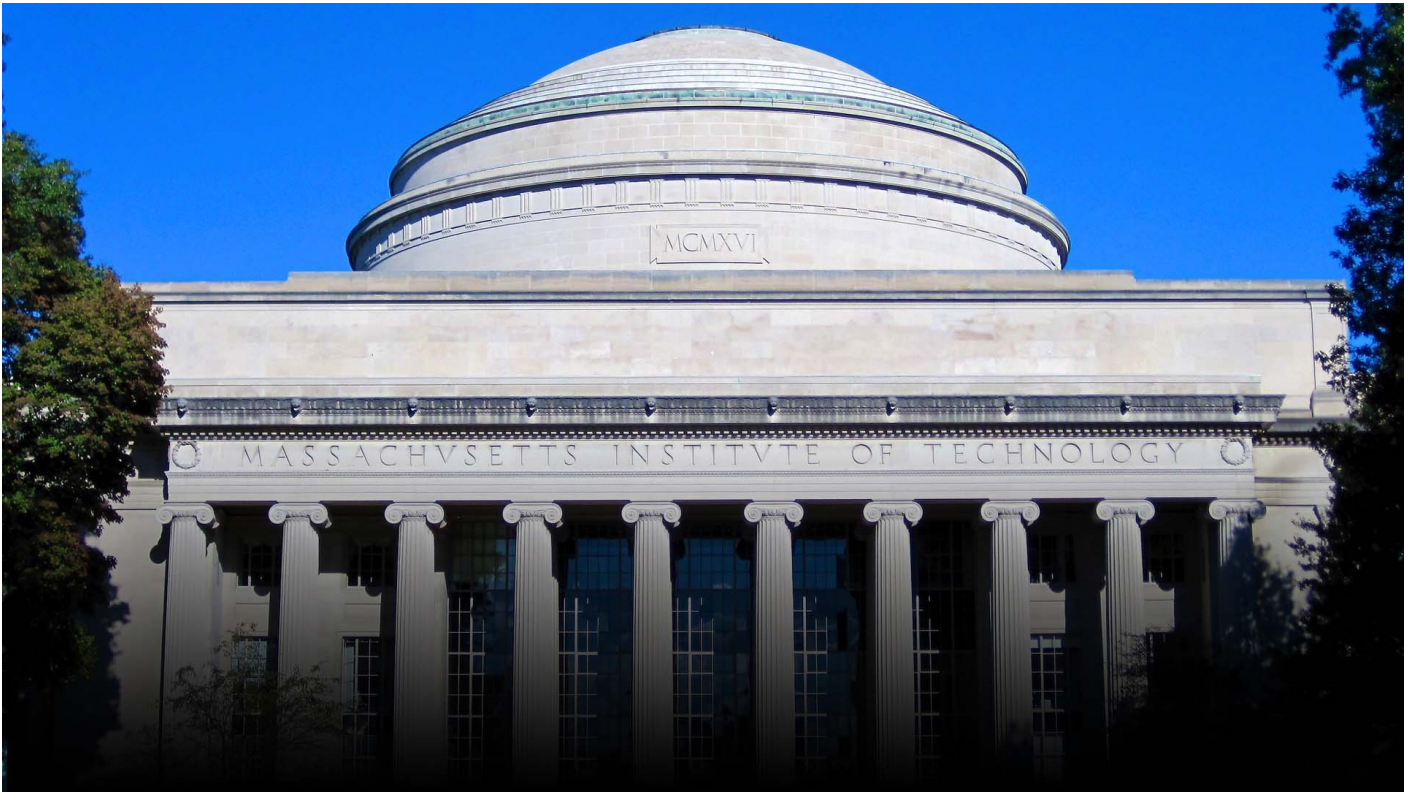


Tec graduates' research is recognized by MIT



Alfredo Giménez Zapiola and Maria Sanchez Arriola, Industrial and Systems Engineering graduates from [Tec de Monterrey's Santa Fe campus](#), have been recognized by the [Massachusetts Institute of Technology](#).

The graduates took part in [the MIT SCALE Latin America Conference](#), an international conference organized annually by the **MIT Center for Transportation and Logistics** at which the most current **research on supply chain and logistics is presented**.

Here, the graduates presented their **RRSL (Rotating Rack System Learner) project**, a methodology with an algorithm that could be used for managing warehouses.

This project, which swaps places assigned to different products in order to make the most of the space, was created in **the iSemester**, a program in which students strengthen and develop their skills through experience-based learning experiences.

2021 MIT SCALE Latin America Conference



Rotating Rack System Learner:

A methodology to increase space
usage by varying SKU locations

Alfredo Gimenez Zapiola
María Sánchez-Arriola M.

March 21st to 26th, 2021



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Participating was an achievement in itself

Both graduates said that being invited to participate was an achievement in itself.

*“The distinction filled us with joy! At the same time, it was confirmation that everything we’d worked on toward the project was worth it. This **motivates** us to want to carry on questioning and proposing feasible solutions for supply chain processes,”* stated the winners.

*“We devised our proposal after having visited the warehouse of a major distributor in Mexico during the **iSemester**, and we wanted **to provide an algorithm that would adapt** to what can actually be done to maximize the available space,”* they explained.

The engineers mentioned some of the skills they’ve acquired at Tecnológico de Monterrey that earned them recognition.

*“At the conference, **we were congratulated for answering questions as if it were a real business**, and for speaking clearly and concisely. At the Tec, we’ve clearly had very good training on giving presentations, be it for academia or for business, and that was reflected in this situation.*

*“At the same time, we can think of this research as one of our **“ventures”**. At the Tec, there’s a strong culture of innovating and seeking to improve what exists in an applied way,”* they said.

Finally, they shared that the Tec had provided them with the **opportunity and support**.

“The fact that they trusted us to carry out research, instead of having a conventional semester, allowed us to further develop our ideas. At the same time, the Tec has encouraged us to want to innovate in what we do, which can be seen in this project,” they concluded.

The image is a screenshot of a Zoom meeting window. At the top, the title bar reads "Zoom Meeting". Below the title bar, there are three video thumbnails: "Alfredo Gl...Jola ITESM", "Dan McCo... CTL (US)", and "Arthur Grau". The main content area displays a presentation slide titled "Student paper competition awards". The slide features a central graphic of a golden trophy surrounded by a laurel wreath. To the left of the trophy, under the heading "Undergraduate category", it lists "BEST SP: Santiago Lima UPB (Bo)" and "Special Mention: Rodrigo Carrión, Jeyssi Marcelo, Renata Vega UP (Pe)". To the right, under the heading "Graduate category", it lists "BEST SP: Alfredo Gimenez Zapiola, María Sánchez-Arriola Tec de Monterrey (Mx)". In the top right corner of the slide, there is a logo for "MIT SCALE Latin America Conference" with a map of Latin America. The Zoom interface at the bottom shows a "Leave" button and a participant count of 116.

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