



LAEDC2023

Technology for the Benefit of Humanity engaging local communities

“Open engineering for the public”

- Snap kits
- Water kits
- Stellar Planetarium
- Solar Telescopes
- Poster Session

Organizing committee



CONAHCYT
CONSEJO NACIONAL DE HUMANIDADES
CIENCIAS Y TECNOLOGÍAS



Universidad de los Andes
Facultad de Ingeniería



Puebla
Contigo y con rumbo
Gobierno Municipal



Sección Puebla





Technology for the Benefit of Humanity engaging local communities

The National Institute for Astrophysics, Optics and Electronics (INAOE), Puebla's Town Hall, together with IEEE Puebla Section and the BUAP, UDLAP, UPP, UPAEP, ITNM Huachinango, University of the Andes, Atlixco and Puebla IEEE student branches have organized an outreach event for young students and community on June 29.

We are extending our LAEDC conference to impact the local community.





LAEDC2023

Technology for the Benefit of Humanity engaging local communities

The event will be held within the framework of the "IEEE Latin American Conference on Electronic Devices, LAEDC 2023" on June 29, from 9 a.m. to 1 p.m., for a maximum of 300 junior-high and high school students, in order to promote STEM scientific vocations in our town.



The goal of the program is to raise awareness throughout the community about the impact of technology and motivate children to pursue Science, Technology, Engineering, Arts and Math. It will enable EDS chapter members to visit local schools. Green Energy By utilizing the easy-to-use Elenco Snap Circuits® and Green Energy kits, students learn about electronic circuits using a "hands-on" approach to experience the exciting and creative field of electronics. We hope to encourage them to consider electrical and electronic engineering as a career.

LAEDE2023

Technology for the Benefit of Humanity engaging local communities

PortAqua is the result of a humanitarian engineering project that helps to the social community on the understanding of two parameters which determine the water quality: potential hydrogen (pH) and conductivity. These parameters provide information about the acidity and the presence of salts in the water.

Snap circuits- This is a workshop aimed to children and adolescents in which they learn basic elements of electronics and its application in everyday life from a very fun, safe, and intuitive way.

Stellar planetarium - Join us and experiment a simulation of a the dark sky. Learn about planets, stars and galaxies which can be seen at the Historic Centre of Puebla.

Solar telescopes - Come to the direct observations of the Sun in a completely safe way. This activity is part of the Mexican program to spread information about the next annular and total eclipses in 2023 and 2024, respectively.



Tecnología para el beneficio de la humanidad involucrando
a las comunidades locales



Puebla de Zaragoza is also known as the “City of Angels”, a nickname that goes back to its founding myth. According to this legend, Bishop Julián Garcés of Tlaxcala dreamt of angels marking out the ground plan of the future city with cord.

Since 1987, the historic centre of the metropolis, founded in 1531 and now home to more than two million inhabitants, has been a UNESCO World Heritage Site.

Puebla and its surrounding areas have been a center of knowledge dating back to pre hispanic days. A tradition that is very alive with a significant number of universities and high-level learning centers.



It owes this status to its impressive variety of churches, monasteries, palaces and patrician houses in the compact old town centre, many of which display the characteristic Talavera tiles. The splendour of this area often hides behind modest facades.

Nowadays has one of the only semiconductor fabrication facilities in Latin America at INAOE. The city is embracing the technology that will continue to transform our world.

The tree-lined square is surrounded by shops and restaurants. Pueblas Plaza de Armas is as old as the city itself and was mainly used as a market place until the 18th century. But it was also always a meeting point and centre of social life. The tree-lined square is surrounded by shops and restaurants. Its northern side is dominated by the Palacio Municipal, Puebla's Town Hall, whose architecture is a typical example of the “Beaux Arts” architectural style, which is characteristic of the authoritarian modernization policy of Porfirio Díaz at the turn of the 19th to the 20th century.

It is at this central plaza location where we will host over 300 local students and many members of the community at large for this unique event.

