Instituto Nacional de Astrofísica, Óptica y Electrónica

(National Research Institute for Astrophysics, Optics and Electronics)

Tonantzintla, Puebla, México
Is a Public Research Center ascribed to the Mexican National Council for Science and Technology (CONACyT) of the Federal Government.

Its research areas are Astrophysics, Optics, Electronics and Computer Science.

It was founded in 1971 by Presidential Decree, replacing the National Astrophysics Observatory.
### National System of Researchers (SNI)

<table>
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Research Fields

- Stellar Astrophysics.
- Extra-Gallactic Astrophysics.
- Astronomical Instrumentation.
- Radio-astronomy.
- Millimeter-Wave Astronomy and Astrophysics.
The “Schmidt Camera” was founded in 1942. It helped discover many objects in different regions of the Universe.
Herbing – Haro Objects

Herbig-Haro 32

Herbig - Haro Objects
Telescopes

“Guillermo Haro” Observatory, in Cananea, Sonora.
Large Millimeter-Wave Telescope “Alfonso Serrano”

On top of the “Sierra Negra” volcano.

4,580 m (15,912 ft) above sea level
Research Fields

- Physical Optics.
- Photonics.
- Quantum and Statistical Optics.
- Optoelectronics.
- Optical Instrumentation and Metrology.
- Image Processing.
- Medical Optics.
Laboratories
Electronics
Research Fields

- Microelectronics.
- Integrated Circuit Design.
- Instrumentation.
- Communications.
- Sensors, MEMS, materials, fabrication processes...
Research Fields

- CMOS, BiCMOS ICs; from low to high-frequencies (110 GHz)...
- Instrumentation, automation, control...
- Communications, wireless circuits, fiber optics, DSP...
Laboratories
Computer Science
Research Fields

- Pattern Recognition and Machine Learning.
- Natural Language Processing.
- Perception by Computer.
- System Engineering.
Laboratories
Graduate Programs
Offers Graduate Programs (Master’s and Doctorate) in its four areas of expertise.

These eight programs are accredited by the National Council for Science and Technology (CONACyT).
There are over 8,700 graduate programs in México; only 1,602 are accredited by CONACyT.

Our students are entitled to a scholarship granted by the Federal Government:

$700.00 US Master’s

$933.00 US for Doctorate

Fees are condoned, and these monthly amounts are for personal expenses.
50% discount at the cafeteria.

1,000 free photocopies per year.

Fund for buying books.

Research stays in other centers and universities, in México and abroad.

Fund for presenting articles in conferences.
Students

Graduates 2001-2012

- Doctorate
- Master's
- Total

Number of Graduates

Year


- Doctorate: 82.83
- Master's: 57.33
- Total: 25.5
Students

Average Student Enrollment
(401 Total)

Program

<table>
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</table>

Number of Students
Contact:

- [http://yolotli.inaoep.mx](http://yolotli.inaoep.mx)

- **Roberto S. Murphy, Ph.D.**
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  Head of the Student Services Department
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Thanks!
Thanks!