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IPN Advances Semiconductor Research to Strengthen National Development: Arturo Reyes Sandoval

- **IPN's Director General highlights the institution's scientific, technological, and innovation capacities for the development of semiconductor devices.**
- **The initiative supports President Claudia Sheinbaum's Plan México; the challenge, he noted, is to strengthen the country's system of training, innovation, and manufacturing in this strategic industry.**

Committed to training highly skilled professionals, the Instituto Politécnico Nacional (IPN) is prepared to play a key role in building a national innovation agenda in semiconductors—aligning the expertise of its graduates with the country's technological and productive needs.

This was emphasized by IPN's Director General, Arturo Reyes Sandoval, who underscored that the institution counts on highly qualified faculty and researchers to train specialists in the design and manufacturing of microchips, including processes such as start-up, testing, and packaging of these devices.

The development of semiconductors is a cornerstone of Plan México, launched by President Claudia Sheinbaum, who announced in February the creation of the Kutsari National Semiconductor Design Center, with sites in the states of Puebla, Jalisco, and Sonora.

"IPN is fully prepared to contribute to this initiative, as we have professionals in the field ready to support the development of semiconductors. We are already working on multiple fronts to strengthen this effort," Reyes Sandoval stated.

As part of these actions, IPN hosted the "Summer School on Semiconductor Devices and Integrated Circuits 2025" from July 14 to 17. The event provided a valuable opportunity for the Politécnica community to advance its expertise in semiconductors and integrated circuits, technologies that are essential to the progress of nations.

Reyes Sandoval highlighted that the Instituto Politécnico Nacional, as the technological arm of the Government of Mexico and in alignment with the work led by the Secretary of Public Education, Mario Delgado Carrillo, faces the challenge of strengthening the country's system of education, innovation, and manufacturing in the semiconductor industry—an industry that has become a global engine of growth.

He stressed that Mexico has highly trained professionals capable of contributing to the design and assembly of electronic components, and given the nation's strategic geographic position, it is vital to align efforts to eventually design, build, test, and package these devices, which are indispensable to the production of virtually all electronic equipment.

He also recalled that on May 21, during Día del Politécnico, he announced an investment of 5 million pesos to support innovation projects in Puebla, particularly in semiconductors, in collaboration with other institutions.

This investment, he noted, is also part of the broader effort to reinforce the plan outlined by President Sheinbaum.

The Director General reaffirmed that IPN is making available its scientific, technological, and innovation capacities, along with its cutting-edge knowledge, to strengthen semiconductor and integrated circuit development in Mexico.

"In doing so, we will expand the scientific capacity of the Instituto Politécnico Nacional and continue to position the institution at the forefront of science, technology, and innovation in Mexico," he concluded.

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