

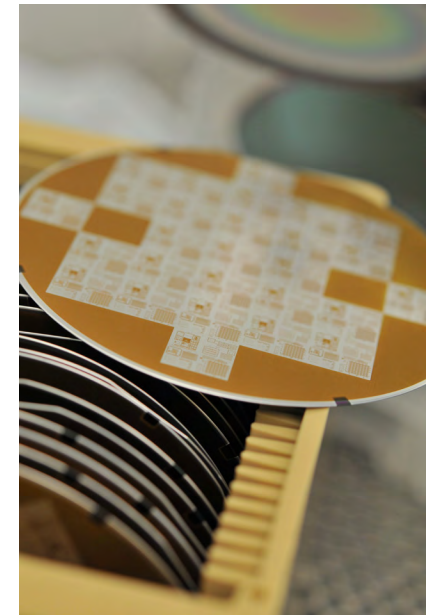


“Zenon Navarro” Microelectronics Museum Space

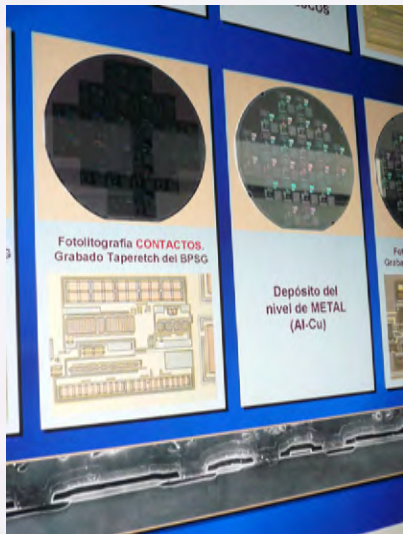


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Microelectronics has been one of the main engines of the economical and social development since the mid-twentieth century. This is demonstrated by recent examples such as computers and internet, cell phones, digital pictures and music, safer and more efficient cars and planes, or the new medical systems. The current evolution towards nanometer-scale devices will even increase this key position in the future.



The “Zenón Navarro” Museum Space has been created to make micro and nanoelectronics known to the general public, by showing what silicon chips are, how they are made and which are their applications. It shows equipment and processes used for the design, fabrication and measurement of integrated circuits and microsystems. The equipment on display has been used at IMB-CNM for its research and development activities.



About IMB-CNM:

The Barcelona Microelectronics Institute of the National Microelectronics Center is an institute of the Spanish Research Council CSIC. Its main activity is research and development on silicon-based micro and nanoelectronics, and more specifically in the field of micro and nano integrated systems. It has a micro and nanofabrication clean room with a surface of 1500 m², with fabrication capabilities for CMOS integrated circuits, microsystems, nanodevices and power devices.

Contents:

- Real equipment for chip fabrication (thin film deposition and etching processes) and measurement.
- Interactive videos showing and describing the fabrication processes in a clean room.
- Videos on chip fabrication and on the research performed at IMB-CNM.
- Samples of devices developed at IMB-CNM.
- Posters on the design and fabrication of integrated circuits.

