

Ofertas tecnológicas de la Unidad de Tecnología y Procesos avanzados

- **Pilot line for semiconductor quantum devices**

Combination of CMOS technology and novel nanofabrication methods to offer the capability of exploring advanced concepts for semiconductor quantum devices at a more affordable cost, higher flexibility and with a faster response time.

Contact

- Francesc Pérez-Murano (Nanofabrication and Nanomechanical Systems Group (NANONEMS)) - Francesc.Perez@csic.es

- **On demand silicon nitride membrane chips for advanced measurements in synchrotron light sources**

Technology to provide chips with very thin silicon membranes (down to 25 nm) which design is tailored to the final used specifications.

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- **Low cost polymeric inlays with embedded micro/nano structures for injection moulding**

Alternative technique to obtain consistent replications of micro- and nanostructures at lower tooling costs is the use of coated polymeric films as flexible mould tooling material.

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- **2D materials integration in wafer scale processing**

Techniques to grow and transfer CVD-Graphene on different substrates in order to develop flexible graphene-based devices that can be used as sensing elements.

Contact

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- **Silicon nitride platform for photonic integrated circuits**

Techniques to grow and transfer CVD-Graphene on different substrates in order to develop flexible graphene-based devices that can be used as sensing elements.

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Silicon Nitride Photonics Platform - [Web](#)

