

**National Research Network on Nanoscience**

**IMAST partners involved:**

- CNR - Institute of Chemistry and Technology of Polymers (**ICTP**)
- CNR - Institute for composite and biomedical materials (**IMCB**)

**Objectives**

ITALNANONET operates in the national frame involving the most important Italian research centres with the common goal of developing a network of nanoscience competence centres to investigate nanotechnology applications in the fields of drug vehiculation, diagnostics and sensors, medical imaging, transportation and mechanical engineering, manufacturing and in chemistry and biotechnology.

IMAST, acting as leader of the Naples research area, has the specific project objective to develop an expertise in the field:

- modelling of nano-structured and nano-composites properties by integrating computational methods on different dimensional and temporal scales;
- study of processing technologies for nano-structured materials for applications in transport, packaging and the civil sector;
- study of nano-composites structural property relationships.

