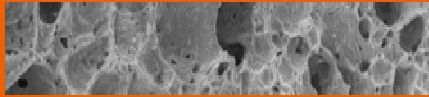


## GlaCERCo Partners



Politecnico di Torino (IT)  
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University of Erlangen-Nuremberg (DE)  
Person in charge: Prof. A. R. Boccaccini

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Person in charge: Prof. I. Dlouhy

Materials Engineering Research  
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Colorobbia Italia SpA (IT)  
Person in charge: Dr. G. Baldi

Nanoforce Technology Limited (GB)  
Person in charge: Prof. M. Reece

nLight Corporation (FI)  
Person in charge: Dr. L. Petit

Nuova Ompi s.r.l. (IT)  
Person in charge: Dr. F. Nicoletti



Friedrich-Alexander-Universität  
Erlangen-Nürnberg



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



materials engineering research  
laboratory



COLOROBBLIA  
ITALIA



nLIGHT

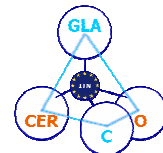


Nuova Ompi  
glass division  
Stevanato Group

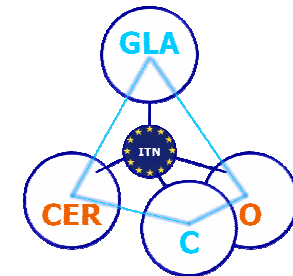
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Marie Curie-ITN



GlaCERCo

GLASSES CERAMICS COMPOSITES

Glass and Ceramic Composites  
for High Technology Applications

Initial Training Network

# GlaCERCo—ITN

## Marie Curie Initial Training Network (ITN)

ITN action aims to **improve the career prospect of researchers who are in the first 5 years of their career** in both the public and private sectors. This will be achieved through a transnational networking mechanism, aimed at structuring the existing high-quality research training capacity throughout Member States and Associated Countries.

## GlaCERCo-ITN objectives

- To offer multidisciplinary training in the field of high-tech glasses and composites, in close contact with companies and universities.
- To strengthen and structure initial training of researchers in materials science at European level.
- To attract students to scientific careers.
- To provide trained researchers with the necessary skills to work in industry.
- To improve career prospects by broad skills development.

**Project Duration: 4 years**

**(starting date February 1<sup>st</sup>, 2011)**

**More info at: [www.glacercoco.eu](http://www.glacercoco.eu)**

**[http://cordis.europa.eu/fp7/people/initial-training\\_en.html](http://cordis.europa.eu/fp7/people/initial-training_en.html)**

## GlaCERCo training-through-research

New high-tech glass-based materials (glasses, glass-ceramics, glass- and glass-ceramic composites and fibres) are themselves an emerging supra-disciplinary field: expertise of these new materials brings competitiveness in strategic fields, such as medicine (bioactive glasses as bone replacement and drug delivery systems), telecommunications (glass devices for broad-band applications), photonics (glass based photonic sensors), clean energy (Solid Oxide Fuel Cells glass sealants), waste management (vitrification and re-use of wastes), oil and gas exploration and carbon capture (glass reinforced plastic pipes).



Our scientific goals are to develop advanced knowledge of glass based materials and to develop innovative, cost-competitive and environmentally acceptable materials and processing technologies.

Recruited researchers will benefit from access to a complete set of state-of-the-art equipment and expertise; they will be skilled in creative thinking, independent, and able to problem solving under time and resource constraints typical of a scientific and technical working environment in continuous contact with the industrial world.

The GlaCERCo ITN will provide training-through-research in five selected themes :

- Vitrification and reuse of waste.
- Design, synthesis and characterisation of special fibre reinforced composites.
- Design, synthesis and characterisation of special glasses for photonic devices.
- Design, preparation and characterisation of new glasses suitable for medical applications.
- Glass-based joining and coating of different materials.

