Glass and Ceramic Composites for High Technology Applications (GlaCERCo)
Marie Curie Initial Training Network (ITN)

M. Ferraris, M. Salvo*, C. Contardi*, and GlaCERCo Team*
**Materials Science and Chemical Engineering Dept.- Politecnico di Torino, Italy*

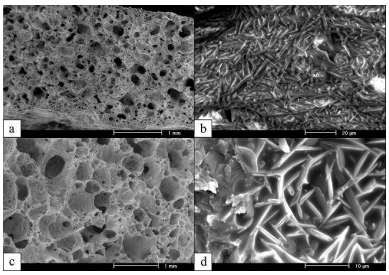
GLASSES CERAMICS COMPOSITES

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.



GlaCERCo partners

Politecnico di Torino (IT)
Coordinating Institution
Project coordinator: Prof. M. Ferraris

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

Centre National De La Recherche Scientifique (FR)
Person in charge: Dr. C. Boussard

Università degli Studi di Padova (IT)
Person in charge: Dr. E. Bernardo

Institute of Physics of Materials (CZ)
Person in charge: Prof. I. Dlouhy

Materials Engineering Research Laboratory Ltd (GB)
Person in charge: Dr. R. Martin

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

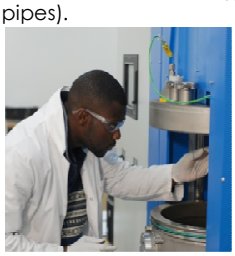
Nanoforce Technology Limited (GB)
Person in charge: Prof. M. Reece

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

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

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).

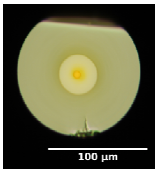


Our scientific goals are to develop advanced knowledge of glass based materials and to develop innovative, cost-competitive and environmentally acceptable materials and processing technologies.

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.



ARE YOU INTERESTED IN JOINING GlaCERCo TEAM?

HOW TO APPLY

- Check that you have the requirements in http://www.glacerco.eu/vacancies/eligibility-of-researchers
- Download the "research project proposal template" from GlaCERCo web site (http://www.glacerco.eu/vacancies/recruitment-procedure)
- Sent CV and research proposal to glacerco.itn@polito.it

Coordinator office contacts

Prof. Monica Ferraris
Prof. Milena Salvo
Materials Science and Chemical Engineering Dept.
Politecnico di Torino
Corso Duca degli Abruzzi 24- 10129- Torino, Italy
Tel.: +39 011 5644687-4706
Fax: +39 011 5644699
E-mail: **glacerco.itn@polito.it**
Home page: **http://www.glacerco.eu**