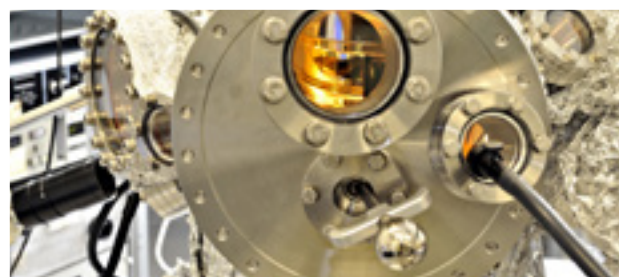
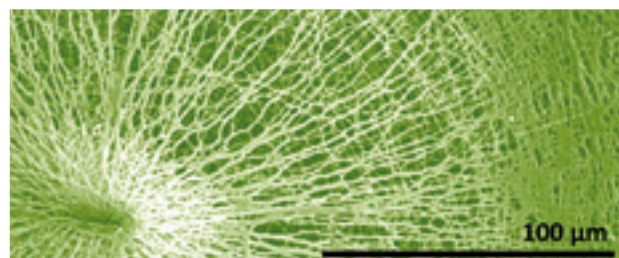


Materials Institute Carnot Alsace

The MICA Carnot Institute is the specialist in functional materials, surfaces and interfaces with 14 research laboratories and technological resource centres.



The key player in innovative materials with a full and unrivalled offering for industrialists

Target markets

- Health
- Transport
- Construction

A unique synergy across the entire value chain

MICA offers you know-how you will not find anywhere else

- ➔ Across a wide range of materials: Polymers, Ceramics, Glass, Carbons, Oxides, Composites, Textiles
- ➔ From the product concept to the industrial pre-series

Solutions perfectly adapted to the Transport sector

- ➔ ALightingening and reinforcing structures
- ➔ Materials for energy production and storage
- ➔ Improved properties: Wear-proof, (self)repair, frost-proof, corrosion-proof, adherence etc.

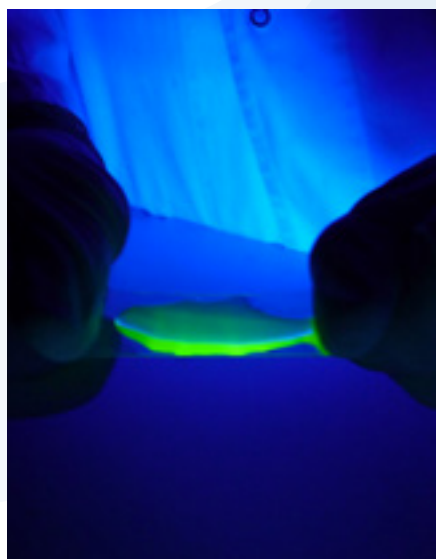
The most innovative solutions for Health

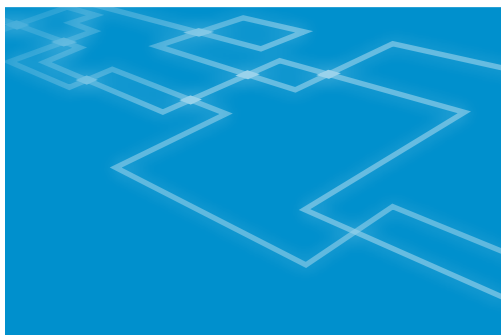
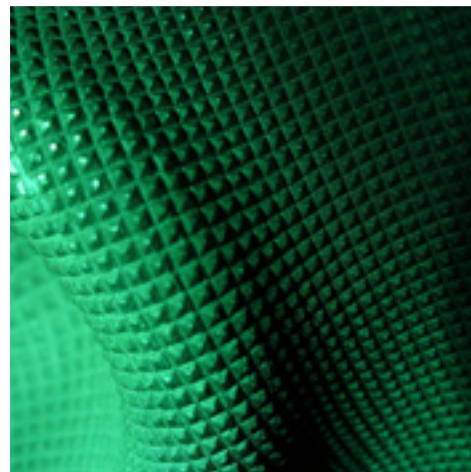
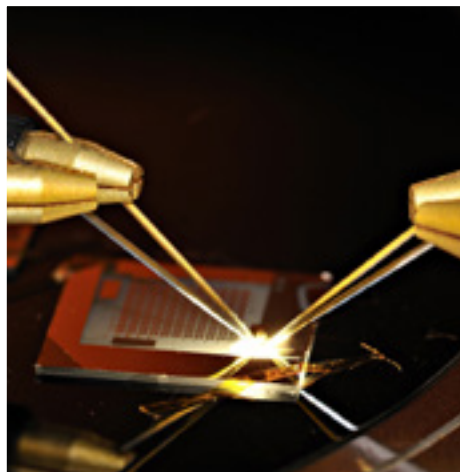
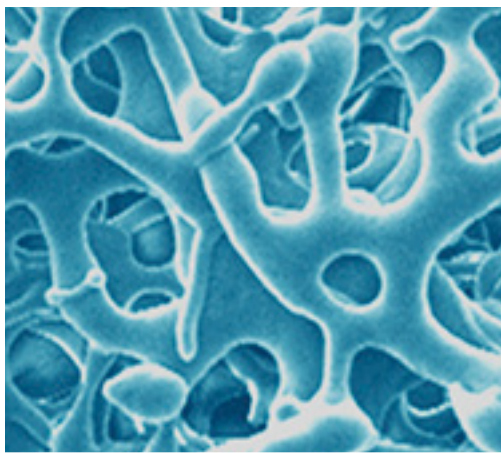
- ➔ Materials for patients and the therapeutic environment
- ➔ Full product process right up to in vivo testing
- ➔ Control of all the validation stages up to clinical trials with our teams of surgeons

Our business: support you in designing the products and services of the future

MICA can offer you, industrial partners, the services that meet your needs, backed up by the skills of its teams and its substantial technical resources:

- ➔ R&D programmes
- ➔ Services
- ➔ Expertise and Consultancy
- ➔ Technology transfer
- ➔ Initial training:
 - “Materials” master’s degree
 - “Surface engineering” master’s degree
- ➔ Tailored continuing education courses





MICA's rare skills

- Surface and fibre engineering
- Functionalisation
- Metrology
- Defect analysis
- 3D processes
- Eco-design of materials

Our technical resources

- ➔ Technical platforms: fabrication, characterisation, performance testing, prototyping
- ➔ Real conditions test platforms
- ➔ Single configuration cutting edge equipment
- ➔ Highly qualified dedicated staff
- ➔ 8 platforms already certified ISO 9001

Research personnel
(full-time equivalent): **1 000**
including PhD students: **448**

Partnership
research incomes: **20 000 k€**
Global budget: **78 000 k€**

2 cutting edge technology platforms for you industrialists

➔ I-HCARE: for the development of non-standardised tailor-made implantable medical devices.

➔ MICASOL: for the characterisation of materials by X-analysis from the molecular to macroscopic scales through access to the Soleil Synchrotron.

Widely renowned industrial expertise

- ➔ Over 800 partner companies
- ➔ Growth of over 30% in contracts with industry
- ➔ 20 patents/year
- ➔ 1 quality certification (ISO 9001)

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