COLLABORATIONS WITH COMPANIES

ICMATE has a strong collaborative tradition with international, national and local large and small industries and companies for the development of research innovation programmes. In particular ICMATE provides the following actions:

- Support to companies to access to public funding
- Technology transfer
- Research and development contracts with companies
- Services for companies or other parties

RESEARCH & DEVELOPMENT AND TRANSFER OF TECHNOLOGY

MATERIALS FOR ENERGETICS
Preparation and characterization of materials and thermoelectric devices and technologies, synthesis of advanced functional oxides, nanofluids for heat exchange and lubrication, development of energy devices (catalytic or not) for micro-generation, structural materials and coatings for nuclear and aerospace applications, gas turbines and energy processes, materials and technologies for renewable energies, fuel cells and hydrogen, electrochemistry of materials for catalysis, electrocatalysis, sensors and energetic modeling and computational methods to study energy systems.

ADVANCED MANUFACTURING
Nanoparticles, nanoparticles, emulsions and porous materials, super-hydrophobic systems, metallurgy, advanced metallurgical technologies and shape memory alloys, inorganic and hybrid materials.

MOLECULAR SYSTEMS AND NANOMEDICINE
Supramolecular and self-assembling systems, interfacial properties and nanoparticles: metals in medicine and radiopharmacy, electroanalytical techniques for drug discovery.

LABORATORIES
ICMATE is equipped with advanced laboratories for the unconventional synthesis of materials and nanostructures, innovative characterization and fabrication techniques, facilities for the testing of functional properties, which allow operating at various levels from fundamental research to technological innovation.

KNOWLEDGE DISSEMINATION
The Journal of Cultural Heritage (JCH) is a multidisciplinary journal of science and technology for studying problems concerning conservation and awareness of cultural heritage in a wide framework. For more information see:

ICMATE is the editor of the Journal of Cultural Heritage.

www.icmate.cnr.it/jch