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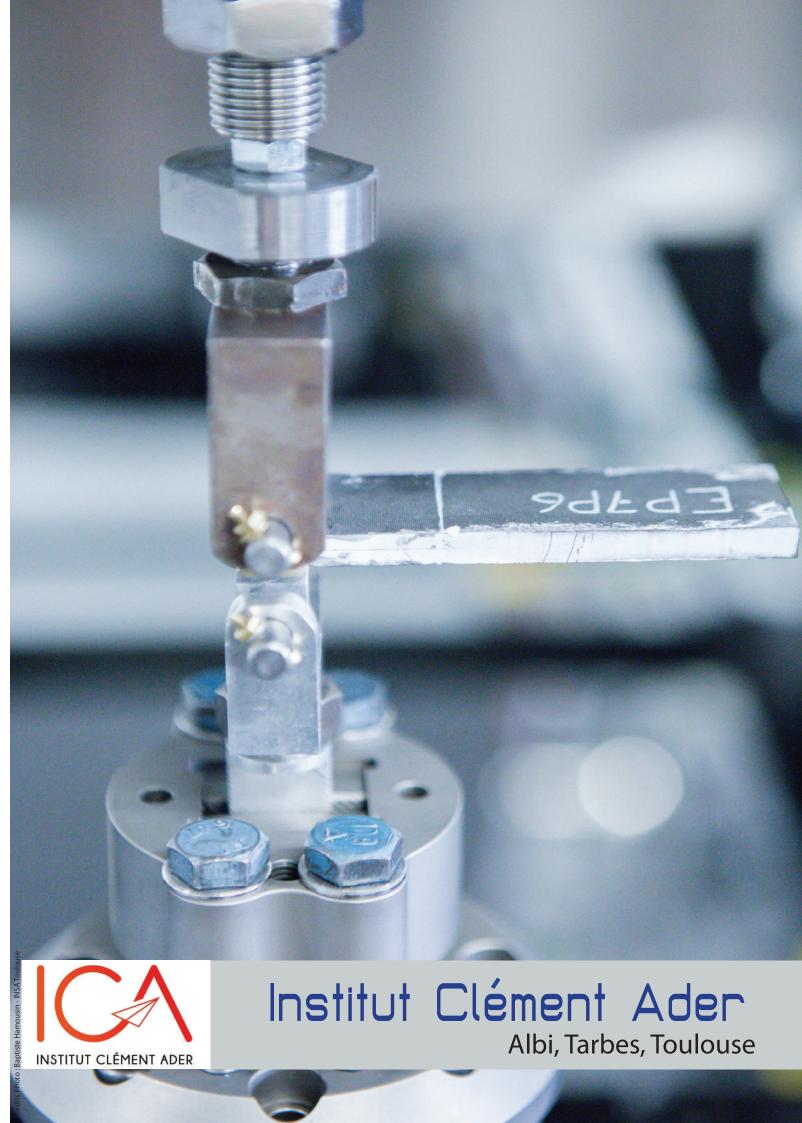






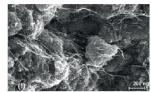


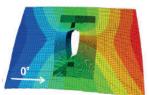




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Composite Materials and Structures







- Structures, Impact, Modelling, Machining of composites
- Materials @ structure scale, Manufacturing, Processes

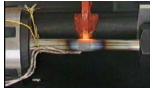
ICA is a research lab studying mechanics of materials, manufacturing processes, structures and systems,

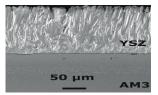
with a particular attention paid toward aeronautics and space.

Our work generally concerns process modeling, devising instrumentation and studing durability. We regarly combine experiment with modelling.

Surface, Machining, Materials and Tools







- Functionnal properties and Microstructural relationships of advanced materials
- Fatigue, Wear Damage, Modelling
- Machining and Metal forming



MSC Composites

Matériaux, Outillage

Assemblies

Transverse axes

Machining of Multi-Materials Stacks

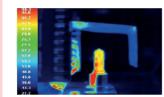
Mécaniques et Microsystèmes



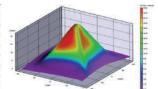


Contrôle et Surveillance

Metrology, Identification, Control and Monitoring







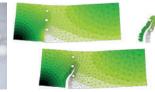
100 PhD students 100 permanent scientists 30 technical staff 10 post-doctoral scientists

- Identification and Control of thermal and mechanical properties
- Innovative optical methods for dimensional and thermal metrology



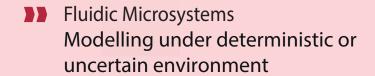


Modelling of Mechanical Systems



and Microsystems







- House Softwares
- Plateforms :

MIMAUSA, STIMPACT