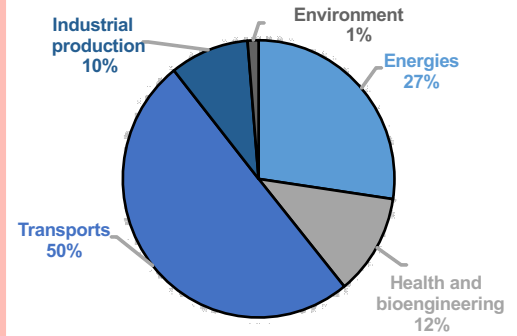


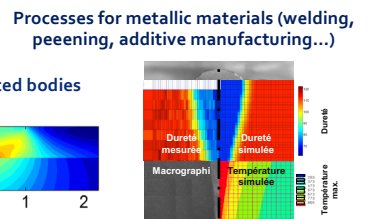
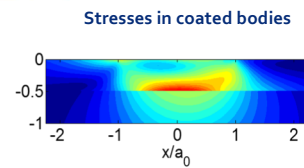
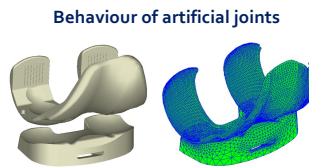
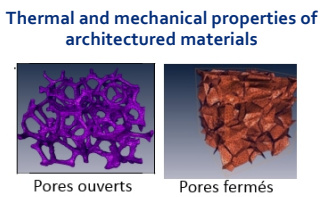
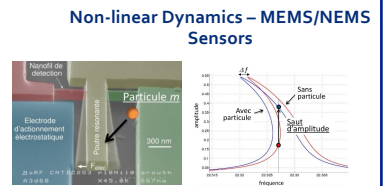
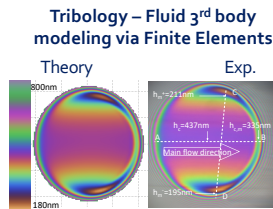
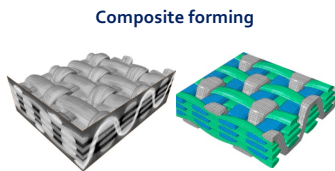
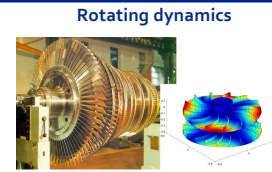
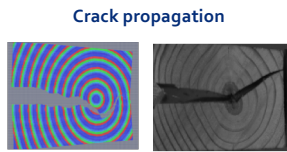
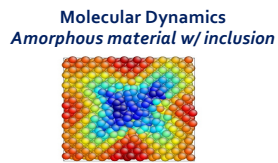
Research domains

Predict and monitor the performance and integrity of static and dynamic systems from single components to the whole system

- Predict the performance and guarantee the integrity of mechanical systems (industrial or biological)
- Systematically compare experiments and numerical simulations or quasi analytical modeling (twofold competences, high-end measurements)
- Make relevant research subjects emerge from industrial obstacles

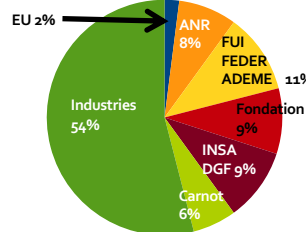
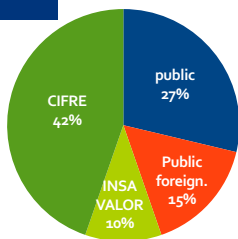


Studies examples



Some data

PhD funding



Own resources

- 2 sites (LyonTech La Doua and Oyonnax)
- 5 research groups, 1 support group
- >200 persons : 57 professors and researchers ; 28 eng. and tech. ; 108 doctoral students ; 12 Post-docs*
- 3,3 papers/FTE/an, 25 PhD/year
- 10 M€ consolidated budget inc. +4 M€ own resources** (inc. 54% on industrial contracts)

* At January 2017
** Average 2012-2016

Laboratory key projects

Industrial chairs

- SKF: Lubricated Interfaces for the Future
- Safran: Innovative mechanical transmissions for aeronautics
- Volvo: Solutions for the Future of Urban Transport
- Michelin: Multi-scale approaches and innovative materials for tire performance (participation)

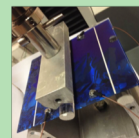
Equipex

- Durasol: Durability of solar materials and systems
- Phare: Rotating machines platform to investigate and control environmental risks

LabCom

- Drillab (DrillScan) : Geothermal or oil drilling simulation laboratory
- AD VITAM (AVNIR Engineering) : Advanced vibrations tests for the analysis of rotating machines
- Openlab PSA
- TRANSMECA for mechanical transmissions (CETIM)

DURASOL Equipex



PHARE Equipex

