

# Surfaces – **Contact & Interface**

**Research areas** 

- lubrication at tire/road interface:
- weather and road wetness.
- skid resistance evolution: traffic and climate actions.
- surface characteristics and rolling resistance.

## Laboratory **Environmental** Assessment. Safety and **E**co-conception Department Planning, Mobility and Environment

### Aims

> understand and model phenomena related to contact, friction, wear and lubrication.

Understand and model ...

> develop applications to improve user's safety, optimize road maintenance and innovate road materials.

- mechanisms, influencing factors.

# **Key points** multi-scale analysis of

roughness.

 interdisciplinary research (tribology, mechanics, statistics) associating experiments and modelings.

 consideration of change of scales (laboratory/road, measuring devices/real vehicles).

### ... to develop



