

LAME, Olivier

Professor

Olivier.lame@insa-lyon.fr

+33 4 72 43 83 57

MATEIS - PVMH

Bâtiment Blaise Pascal 5ème étage

7 Avenue Jean Capelle

69100 VILLEURBANNE



Research activities / interests

Keywords

Semi-crystalline polymers, mechanical properties and microstructure, plasticity and damage, sintering of nascent polymer powders, Molecular dynamic simulations, RX in- situ experiments

Ongoing projects

- RX In-situ analysis of semi-crystalline microstructure evolutions and damage along tensile tests (for PE and PP CSC grant with China; PA with Solvay)
- Sintering of UHMWPE and High Velocity Compaction with CETIM
- Development of acoustic device to evaluate microstructure evolution of PP and PE along deformation
- Development of Molecular dynamic model for semi-crystalline mechanical properties evaluation

Institutions as staff member

- INSA Lyon, MATEIS-PVMH:

Institutions as student

- UTBM Engineering School: Materials Mechanic
- INPG-GPM2 lab PhD thesis
- INSA-Lyon –MATEIS lab: HDR

Teaching activities

- INSA 1st physics and Mathematical tools
- INSA SGM polymer rheology (until 2011)

Administrative responsibilities

- ANR coordinator
- Mechanical testing in PVMH group
- Coordinator of physics (INSA 1st year) and follow up of about 100 students