

Séminaire

Mardi 23 avril 2024 à 10h30 **Amphithéâtre Henri Benoît**

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SIC or TIC?

When I started to work on strain-induced crystallization (SIC) in cis-polyisoprene rubber under the impulsion of Jacques Rault, one main question of the tyre manufacturer that subsidized this research was "why elastomeric materials that are good strain-crystallizer do not crystallize well in the guiescent state (thermally induced crystallization, TIC), and vice versa?". This question is inasmuch important as SIC is known to impart outstanding mechanical properties to the material; twenty years later, I never saw it addressed in the literature or in congresses... I will show what X-ray diffraction can bring to the study of SIC, and I will compare two quite different materials: cis-polyisoprene based rubbers and the enigmatic PDMS rubbers.

Les personnes souhaitant rencontrer P-A Albouy sont priées de prendre contact avec Doru Constantin ou Michel Rawiso.







