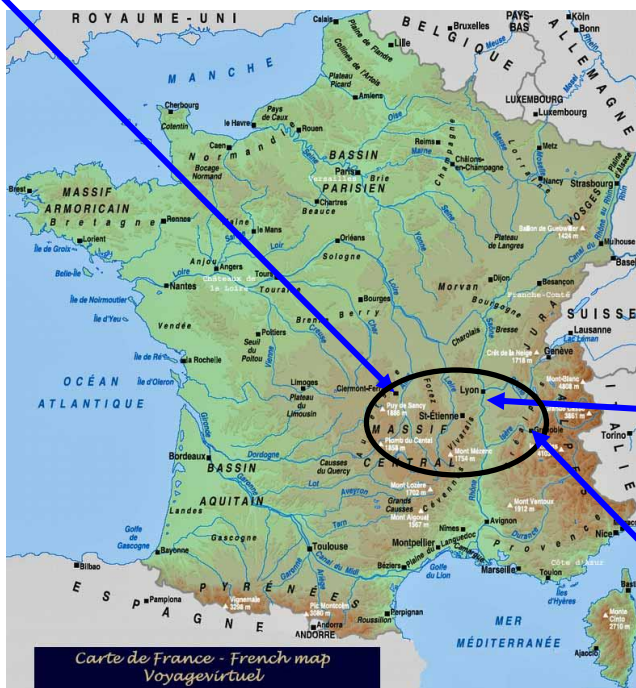


**ICCF** : Photochemistry team of the Institute of Chemistry of Clermont-Ferrand (UMR 6296 CNRS / University Blaise Pascal)

Clermont-Ferrand



**ISA-CHEMOD** . Institute for Analytical Sciences (UMR 5280 CNRS / University Lyon 1)  
Dr Christophe MORELL

Lyon

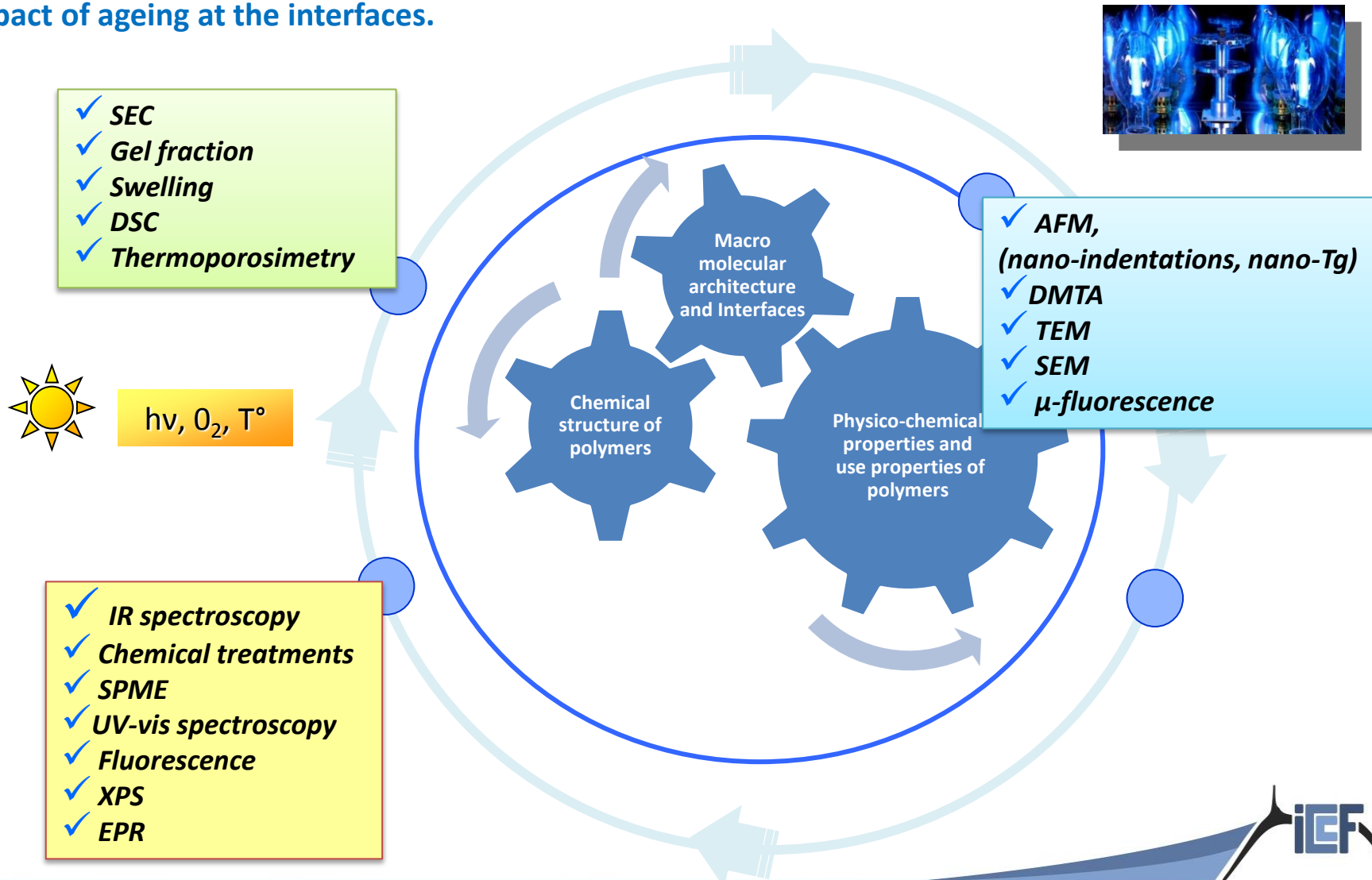
Grenoble

**SPrAM**. Structure et Propriétés d'Architectures Moléculaires, UMR 5819 / CEA / CNRS / University J. Fourier)  
Dr Brigitte Pépin-Donat

Physico-chemical approach of the photochemical behaviour and the durability of polymers.

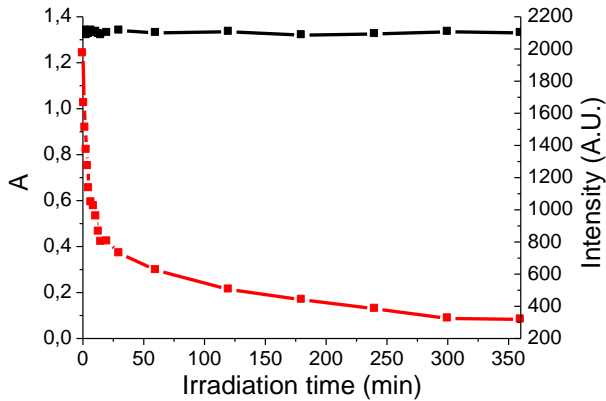
From the mechanisms to the properties.

Impact of ageing at the interfaces.

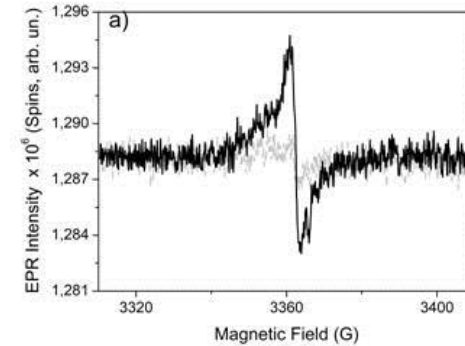


# Polymer and BHJ ageing

ICCF

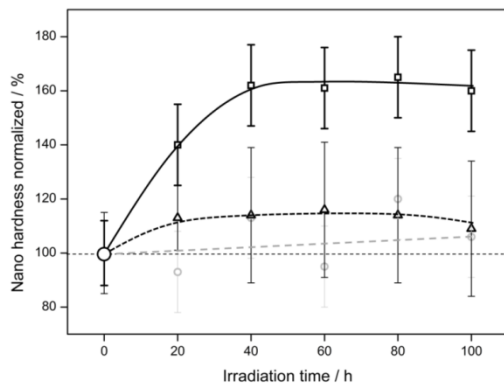


SPrAM

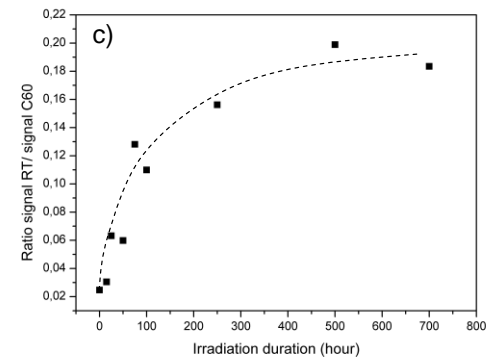


Fluorescence properties

EPR: determination of defects density induced by ageing and in situ fluorescence  
Correlation Fluorescence properties and EPR defects



Nano-mechanical properties



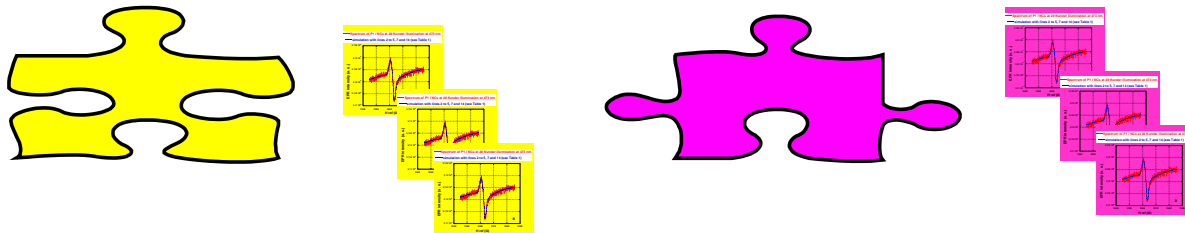
EPR relaxation time

# EPR tracing concept and DFT calculations

SPrAM

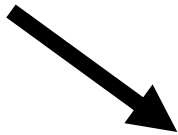
ISA

\*Determination of electronic transfer mechanisms



Detailed analysis of EPR signatures obtained by LEPR and DFT calculations

\*AGEING



Units of the polymer responsible for degradation