

Aix-Marseille Université
UMR CNRS 7246 - MADIREL

M. Antoni

35 permanent members
12 PhD's

Main research activities

Transport in dispersed
systems

Electrochemistry
(Solid electrolytes)

Characterization
of interfaces

Analytical equipments and tools

Optical tomography, IR spectroscopy, Differential Scanning Calorimetry, Cryo-SEM
IR - Thermography, X-ray scattering, BET, high speed camera and image analysis
Image processing, CFD (computational fluid dynamics)

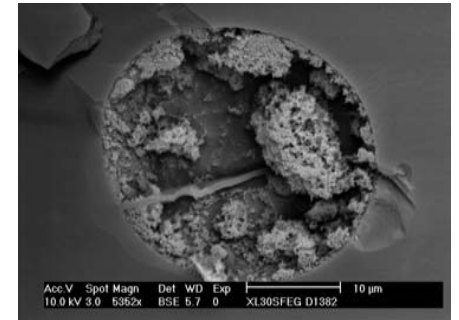
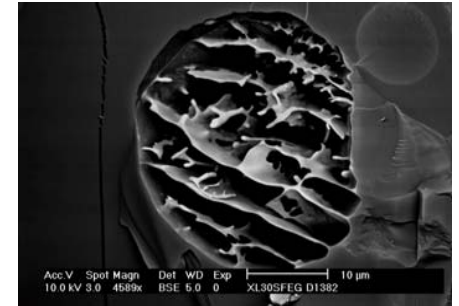
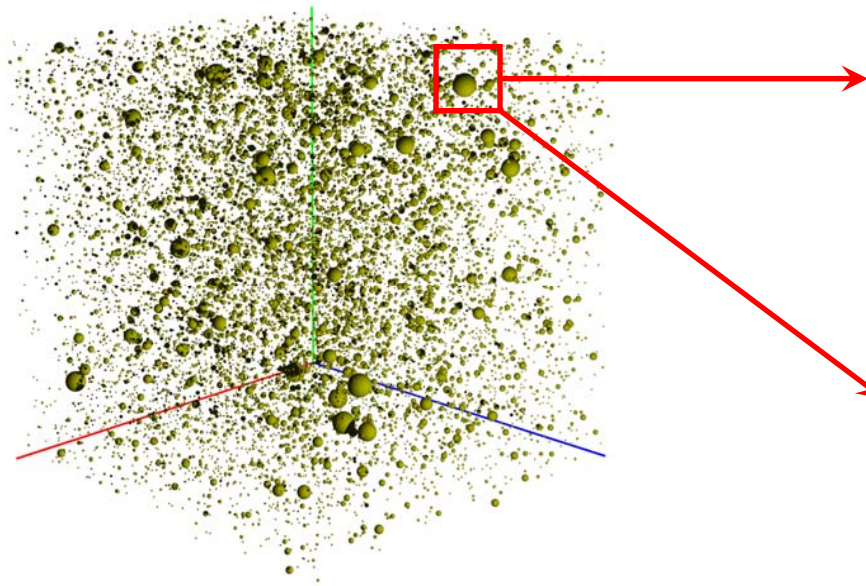
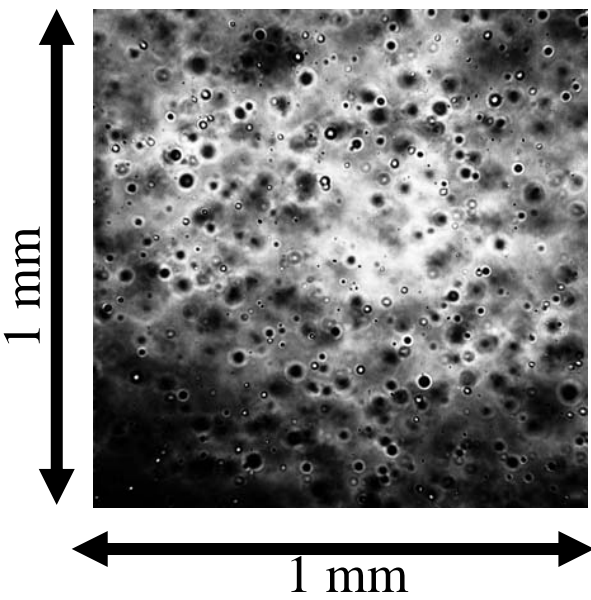
Challenges

Emulsions ageing mechanisms (funded ESA, CNES, CNRS)

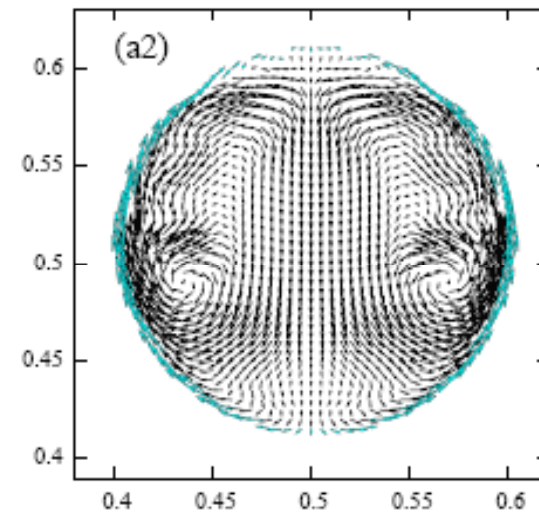
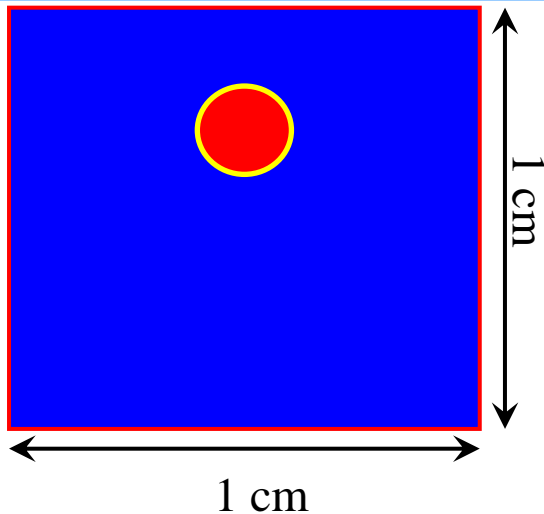
New materials for energy storage

New materials for CO₂ storage (MOFs)

Optical microscopy and cryo-SEM for the characterization of diluted Pickering emulsions (water in paraffin oil + CTAB + Silicon oxide nanoparticles)



Computational fluid Dynamics of free interface systems (aim CFD applied to emulsions)



QuickTime™ et un
décompresseur
sont requis pour visionner cette image.

44 samples

