

Team “Surfaces” – ISA (UMR 5280)



- Pr. Didier LEONARD didier.leonard@isa-lyon.fr +33 (0)4 37 42 35 54
 - ISA - UMR 5280 - Institut des Sciences Analytiques (academic)
 - Research AXIS : SMART (Surface and Miniaturisation for Analytical Research and Technology) - design and production of devices with specific surface properties for analytical chemistry, including in particular various types of micro/nano (bio) sensors, integrated or not into analytical microsystems
 - Team Surfaces : surface analysis and surface modification
- « Surfaces » has been taking part in more than 12 collaborative projects (6 ANR, 4 FUI, 1 Feder, 1 ISI,...)
in the last 10 years

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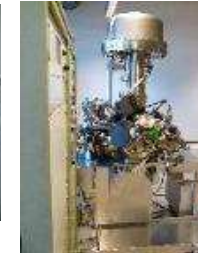
development of surface analysis methodologies

large set of surface analysis techniques (spectroscopy, microscopy, wettability)

Frequent and ongoing collaboration with SCIENCE et SURFACE



ToF-SIMS



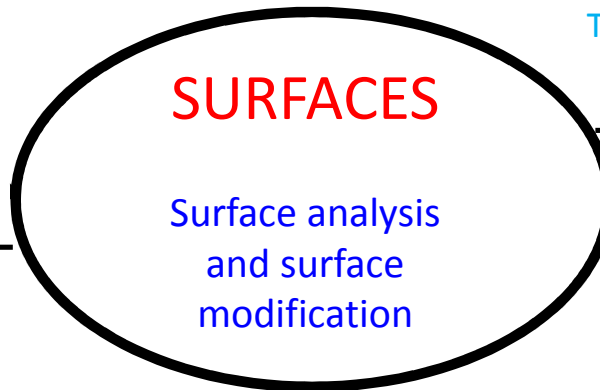
XPS - AES



SEM-EPMA



AFM



development of original simple and cost effective methodologies for tailored micro-nano-structuration of materials on the basis of surface modification processes (chemical, electrochemical, plasma, etc.) and soft lithography techniques

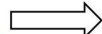
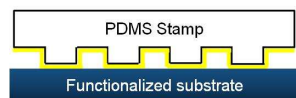
RF plasma



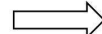
MW plasma



Soft Lithography



Electroless metallization



Auvergne Rhône-Alpes Entreprises



L'Europe à la portée de votre entreprise

