

D^r Catherine FRESSIGNE

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EDUCATION:

November 1992: PhD in Chemical Physics,
“Caractérisation structural d’un fluide de gisement pétrolier par
résonance Magnétique Nucléaire à 1 et 2 dimensions”
Université Paris XI ORSAY/ D^r A. FUCHS

CAREER:

Sept. 1993- today: Assistant Professor: university of Rouen

CURRENT RESEARCH INTERESTS:

Molecular modeling of organic and organometallic compounds (theoretical study of the structure, reactivity of compounds containing a metal cation.):

- Molecular mechanics under pressure for organic entities
- Reaction mechanisms: static approach (DFT), potential surfaces
- Methods of analysis: energy decomposition, topological analysis (ELF)

SCIENTIFIC PRODUCTION:

33 publications

TEACHING ACTIVITY:

General chemistry courses (theory and practice) at the University of Rouen
Preparation of teaching competitions (CAPES & Agrégation)