Scientific competence of the supervisor:

Andre Pauss (andre.pauss@utc.fr)

Expected collaborations:

The candidate should have general skills in process engineering or fermentation; modeling knowledge would be appreciated. Ideally, the candidate also possess knowledge driving and monitoring reactors, in hydrodynamic transfer, as well as in the area of anaerobic digestion (biogas). He (she) must also have a strong motivation and a taste for teamwork, and demonstrate autonomy, discipline and initiative.

Website address of the personal page:


Scientific competence of the supervisor:

Bioprocesses, Bioenergies, Chemical Engineering, Chemistry. Director of the "Integrated Transformations of Renewable Resources" Team, 100 persons.

Title:

Identification of optimal conditions for the biogas degradation of agricultural by-products with batch and continuous dry processes.

Keywords:

Chemical engineering, environment, anaerobic digestion, modelling

Expected collaborations:

French collaborations with the Institut Lasalle de Beaufays (60 km far from Compiègne), and with other French Research laboratories in Narbonne, Rennes and Toulouse. Potential, but not yet finalized, international collaborations with Montréal (Canada) and Louvain-la-Neuve (Belgium). Some collaborations with industrial partners are also under way.

Two major publications in the field proposed for the PhD:


Background required from the applicant:

The candidate should have general skills in process engineering or fermentation; modeling knowledge would be appreciated. Ideally, the candidate also possess knowledge driving and monitoring reactors, in hydrodynamic transfer, as well as in the area of anaerobic digestion (biogas). He (she) must also have a strong motivation and a taste for teamwork, and demonstrate autonomy, discipline and initiative.

Existence of a PDF file detailing the proposal ("yes" or "no"):

No

(see guidelines on the website www-csc.utt.fr)