



CENTRE DE
RECHERCHE EN
AUTOMATIQUE DE
NANCY
UMR 7039

Nancy-Université
Université
Henri Poincaré

PhD position

Title: Behavioral System-Theoretic Approach to Fault-Tolerant Control

Supervised by Prof. Dominique Sauter and Joseph Yamé
Centre de Recherche en Automatique de Nancy - CRAN – UMR 7039
Nancy University, Vandoeuvre-lès-Nancy, France

We are seeking a highly motivated graduate student to work in the area of Diagnosis and Fault-tolerant Control. The specific project is on developing novel approaches to fault-tolerant control (FTC) based on the behavioral paradigm of J.C. Willems. This is a theoretical-oriented research aiming at formulating and solving control problems for dynamical systems under severe faulty conditions.

A 3-year PhD fellowship (funded by the French Ministry of Higher Education and Research) is available for this project. The post offers an exciting opportunity to tackle fundamental research problems within a stimulating research environment with state of the art experimental platforms.

Candidates should have a Master degree and demonstrate excellent academic record and the ability to do independent research. A strong background in dynamical systems, applied mathematics as well as a good knowledge of the Matlab/Simulink environment is required.

For more details, see : <http://www.cran.uhp-nancy.fr/> And click on « sujets de masters, thèses et postdocs »

Application

Please send, before 30 May 2009, your application with a detailed curriculum vitae and a motivation letter to:

Dominique Sauter (email: dominique.sauter@cran.uhp-nancy.fr)
or to:

Joseph J. Yamé (email: joseph.yame@cran.uhp-nancy.fr)
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