
Education

2011 : Ph.D. at Paris 12 University : Optimization methods applied to high-dimensional problems, application in Data Mining for Onco-Pharmacogenomic Prediction.

2006 : Engineer diploma with a Master degree, HCI speciality (Human-Computer Interaction) at EISTI (Ecole Internationale des Sciences du Traitement de l'Information, France)

Experience

2008 - present : Assistant Professor & Research fellow in computer science at EISTI.

2006 – 2008 : Internship and Research fellow in LIAP5 Lab in Paris 5 : Intelligent agents in an artificial ecosystem. Development and porting into an embedded system using Java ME.

2005 : Internship in THALES Argenteuil company : XML Generator for an automatic validation testbed realized in C#

2004 : Internship in TAD (THALES Air Defense) of THALES Bagneux company : Porting and enhancing of an obsolete defense system from DOS to Windows XP

Educational Activities

Java SE, EE, ME – C,C++,C# - ADA – Pascal – ASM : Programming Languages

Artificial Life : Multi Agent Sys., Swarm Intell., Cellular Automaton, Evolutionary Computation, ...

DataBase : SQL, PL-SQL, Hibernate, XML, Oracle, MySQL, ...

Others : Project Management, Language Theory, Operating Systems, Algorithmic, Graphs Theory

Principal Research Areas

Optimization : High-Dimensional, Continue, Black Box, Heuristics, Metaheuristics

Decision Support : Data Mining, Feature Selection

Bioinformatics : Prediction of chemotherapy efficiency for breast cancer

Artificial Life : Applied Artificial Intelligence, Swarm Intelligence, Artificial Ecosystems

Selected publications

Unidimensional Search for Solving Continuous High-Dimensional Optimization

Problems, *Conference on Intelligent Systems Design and Applications*, IEEE Computer Society, Los Alamitos, CA, USA, pp. 1096-1101, 2009

EM323: a line search based algorithm for solving high-dimensional continuous non-linear optimization problems, *Soft Computing - A Fusion of Foundations, Methodologies and*

Applications, Online First™, 10 September 2010