

Curriculum Vitae – Vincenzo Lagani

14 – 03 – 2010

General information:

Name: Vincenzo Lagani

Date and place of birth: 03/07/1981, Lamezia Terme (Italy).

Languages: Italian, English

Curriculum studiorum:

April 2009: PhD degree in Operations Research from the Department of Electronics, Informatics and Systems (D.E.I.S.), University of Calabria

PhD Thesis: *MKL – CT: Multiple Kernel Learning for Censored Target.*

September 2005: “Laurea Specialistica” degree (M.Sc.) cum laude in Management Engineering, at the University of Calabria.

M.Sc. thesis: *The prognostic evaluation of Heart Failure: application of machine learning techniques.*

Scientific interests:

1. Development and application of Machine Learning techniques
2. Devising and development of Medical/Clinical Decision Support Systems
3. Medical Statistics

Application areas:

1. Gene expression data analysis
2. Study of genetic profiles in complex phenotypes
3. Brain Injuries and Vegetative State
4. Cardio vascular diseases

Relevant experiences:

October 2009 – present: I am attending the "Alain Bensoussan" fellowship programme promoted by the European Research Consortium for Informatics and Mathematics (ERCIM). My hosting institutes is the Biomedical Informatics Laboratory (BMI) of the Institutes of Computer Science (ICS) of the Foundation for Research and Technology – Hellas (FORTH).

My research areas currently are:

1. Development of Markov Blanket based variable selection methods for survival analysis

2. Causal discovery from experimental data

February 2006 – June 2009: I was involved in the HEARTFAID project (www.heartfaid.org), an EU co – funded project in the context of the Sixth Framework Program. This project included eleven partners from Italy, Greece, England, Poland and the main objective was the realization of a technological platform for supporting the management of Heart Failure patients. My roles within the HEARTFAID project were:

1. Development and application of data mining methodologies
2. Quality Assurance Process responsible

December 2006 – February 2009: employed by NEC (Nippon Electric Company) Italy at the CESIC laboratory (“Centro di Supercalcolo per l’Ingegneria Computazionale”, meaning Supercomputing Center for the Computational Engineering). During this period I worked on:

1. Genetic influences in the ageing process
2. Decisional Support for emergency care settings

February 2006 – November 2008: I participated in the MIMERICA project, a Research and Development project funded by the Italian Ministry for the Instruction, University and Research (www.mimerica.it, web site in Italian). The project had the objective of realizing technical solutions for improving the treatment of the patients with severe brain injuries. Activities followed during the project:

1. Applications of Data Mining techniques for the analysis of medical data
2. Development and implementation of a Clinical Decision Support System

Didactic experiences:

2007 – 2008: “Data Mining: an introduction”, short course for Molecular Biology PhD students; Department of Biology, University of Calabria.

Contacts:

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