

Curriculum Vitae

Christos
Dimitrakopoulos

Personal information

Address Feidippidou 53
26335
Patras, Greece

Nationality Greek

Date of birth September 17, 1987

Telephone Mobile: (+30) 6936667512
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Education

2010 - now **Master of Science Candidate** (enrolled in 15-11-2010), in Computer Science and Engineering Program, in *Department Of Computer Engineering & Informatics*, University of Patras, Greece.
Website: <http://www.ceid.upatras.gr/en/index.htm>

2005 - 2010 **Diploma** (5-year studies) from *Department of Computer Engineering & Informatics*, University of Patras, Greece.
GPA : 7.97 out of 10.0 (Very Good)
Ranking : 9/91 (Top 10%)
DIPLOMA THESIS
Title Predicting protein interactions by using computational intelligence algorithms
Supervisor Professor Spiridon D. Likothanassis

2002 - 2004 **3rd High School** of Patras, Greece
GPA: 17.8 out of 20 (Very Good)

Languages

Greek	Mother Tongue
English	Fluent Owner of: - Certificate of Proficiency in English, University of Michigan, Pass. - Edexcel, London Tests of English, Level 5, Proficient Communication, Pass (with Merit).
French	Good

Research and Experience

2010 - now	Member of the Pattern Recognition Laboratory. Website: http://prlab.ceid.upatras.gr/index.php?module=laboratory Member of the Bioinformatics Group. Website: http://aigroup.ceid.upatras.gr/bioinfo/ Department of Computer Engineering and Informatics, University of Patras, Rio, 26500, Greece
January 2011 - now	Member of the Open Bioinformatics Foundation Website: http://www.open-bio.org/wiki/Main_Page
2010 - now	Member of the IEEE Member of the IEEE Student Branch, University of Patras Website: http://www.ieee.org/index.html Assistant lectures for the <i>Decision theory</i> and <i>Computational Intelligence I</i> courses (Winter semester – 2 hours a week). Assistant lectures for <i>Introduction to heuristic methods</i> course (Spring semester – 2 hours a week). Assistant lectures in Matlab. Professor: Spiridon D. Likothanassis , Lecturer: Seferina Mavroudi

Scientific Interests

Bioinformatics, Computational Biology

- Protein Interactions prediction, Protein Interactions graphs
- Clustering techniques for detecting protein complexes
- Systems Biology (in general)
- microRNA gene identification
- Evolutionary and Comparative Genomics, Phylogenetics, Homologues
- Higher order biological systems, biological pathways and processes

Computational Intelligence

- Neural Networks
- Evolutionary Algorithms and applications

Feature selection techniques in high dimensionality datasets

Information Retrieval, Text Mining, Text Categorization

Data mining

Statistical Analysis, Pattern Classification, Decision Theory

Computer Skills

Operating Systems Windows XP/vista, Linux (Ubuntu), UNIX

Programming Languages Proficient in:

- Matlab, C, C++, Java, Python, MySQL, HTML, XML, LISP

Familiar with:

- PHP, Prolog, CLIPS, Unix shell scripting, Verilog, Open MP, MPI, Assembly, OWL.

Other Programs Weka, SPSS, Joomla

Publications

Journals

Konstantinos A. Theofilatos, **Christos M. Dimitrakopoulos**, Athanasios K. Tsakalidis, Spyridon D. Likothanassis, Stergios T. Papadimitriou, Seferina P. Mavroudi, "Computational Approaches for the Prediction of Protein-Protein Interactions: A Survey", accepted to *Current Bioinformatics* in January 2011.

Conferences

Theofilatos, K.A.; **Dimitrakopoulos, C.M.**; Tsakalidis, A.K.; Likothanassis, S.D.; Papadimitriou, S.T.; Mavroudi, S.P.; , "A new hybrid method for predicting protein interactions using Genetic Algorithms and Extended Kalman Filters," *10th IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB) 2010*, pp.1-4, 2-5 Nov. 2010, doi : 10.1109/ITAB.2010.5687765 URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5687765&isnumber=5687600>

Antoniou Maria, **Dimitrakopoulos Christos**, Theofilatos Konstantinos, Likothanassis Spyros, Tsakalidis Athanasios, Mavroudi Seferina, "A new scoring method for assessing the reliability of protein-protein interactions", December 1st - 4th 2010 - Athens, Greece, Divani Palace Acropolis hotel, GOLDEN HELIX® SYMPOSIUM "*Genetic Analysis in Translational Medicine*"

Christos M. Dimitrakopoulos, Konstantinos A. Theofilatos, Efstratios F. Georgopoulos, Spyridon D. Likothanassis, Athanasios K. Tsakalidis, Seferina P. Mavroudi, "Adaptive Filtering Techniques Combined with Natural Selection - Based Heuristic Algorithms in the Prediction of Protein-Protein Interactions", Sep 15 2011 - Sep 18 2011, Corfu, Greece, organized with the 12th EANN/7th Joint Conferences, "*Workshop on Computational Intelligence Applications in Bioinformatics - CIAB 2011*"