

Ioannis Karakonstantis



Personal Details



Date of Birth: 17th January, 1991

Nationality: Greek



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Education



Certificate of Pedagogical and Teaching Competence (EPPAIK)

School of Pedagogical and Technological Education (ASPETE)

Thesis Project: "Motivating students to develop mobile applications using App Inventor"

GPA: 9.2/10

Nov 2015 – Jul 2016

MSc in Informatics and Telecommunications

Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, direction of Computational Science. Thesis Project: "A randomized algorithm for

Gauss elimination method" GPA: 6.58/10

Nov 2012 – Feb 2015

BSc in Informatics

Department of Informatics, University of Piraeus, direction of Information Systems.

Thesis project: "Ant colony optimization algorithms for continuous optimization problems"

GPA: 8.12/10

Sep 2008 – Sep 2012

High School Graduate

2nd High School of Tripolis, GPA: 18.9/20

2008

Teaching



Assistant at Algorithms and Complexity

Department of Informatics & Telecommunications, National and Kapodistrian University of Athens.
2013,2014 Spring Semester

Assistant at Combinatorial Optimization

Department of Informatics & Telecommunications, National and Kapodistrian University of Athens.
2014 Fall Semester

Assistant at Discrete Mathematics

Department of Informatics & Telecommunications, National and Kapodistrian University of Athens.
2012 Fall Semester

Scholarships



Hellenic Post S.A.

Sep 2016

Languages



English

City & Guilds IESOL & ISESOL Mastery Level (C2), 2015

CCE - University of Michigan, 2006

LTE Level 3, Edexcel – University of Westminster, 2006

Greek

Mother tongue

Scientific Publications



Ioannis Karakonstantis & Aristidis Vlachos (2015) “**Ant Colony Optimization for Continuous Domains applied to Emission and Economic Dispatch Problems**”, Journal of Information and Optimization Sciences, 36:1-2, 23-42, DOI: 10.1080/02522667.2014.932094

Karakonstantis, I. and Vlachos, A. (2013) “**The ant colony optimisation solving continuous problems**”, Int. J. Computational Intelligence Studies, Vol. 2, Nos. 3/4, pp.350–366.



I-CAN (Information-Centric Access Networks) Workshop and Summer School

Department of Informatics, Athens University of Economics and Business

June 2-5, 2015

International Conference on Intelligent Information Hiding and Multimedia Signal Processing - (IIH-MSP-2012)

IEEE, University of Piraeus

July 18-20, 2012

3rd International Conference on Intelligent Decision technologies

KES, University of Piraeus

July 20-22, 2011

4th International Conference on Intelligent Interactive Multimedia Systems and Services

KES, University of Piraeus

July 20-22, 2011

7th National & International Conference Professional Systemics in Action

Hellenic Society for Systemic Studies, Athens

May 4-7, 2011

Technologies / Programming Languages



Programming Languages

PHP, Java, C# (.NET), C/C++, ASP.NET

WEB Technologies

(X)HTML, XML, CSS, JavaScript

Integrated Development Environments

Visual Studio, Eclipse, NetBeans

Graphics

Expression Blend, WPF, GIMP

DataBases

MySQL, MS SQL Server

Documents

LaTeX typesetting, MS Office, Open Office

Mathematics

MatLab

Data Analysis

OLAP / Data Mining using MS Business Intelligence Development Studio

System Administration



Operating Systems

MS Windows, Linux (Debian, CentOS)

Server Administration

Apache Web Server, MySQL Server, Bind, PowerDNS, MyDNS, ProFTPd, etc

Virtualization Platforms

VMware vSphere Hypervisor/ Workstation/ Player, Oracle VirtualBox

Control Panels

Webmin, VestaCP, Zpanel, Cpanel, ISPConfig, MyDNSConfig etc

Monitoring Tools

RRDtool, Cacti, MRTG, Munin

Network Administration



Operating Systems

MikroTik RouterOS, Ubiquiti airOS, OpenWRT, ddWRT

Key Skills

Wireless Networking, Routing, Captive Portals, Policy Enforcement, Firewall Configuration etc

Projects



Structural Steelworks Weight Calculator

Windows Forms Application that calculates the weight of a steel construction and generates the corresponding order form. 2015

TRWN HotSpots Network

Web Application [hotspots.trwn.gr] that displays the status of the hotspot network nodes (Google Maps, Google Fusion Tables, RRDTTool, PHP, MySQL). 2015

Bind9 Cacti Template for Wireless Communities

Cacti template and script that displays DNS query statistics according to their domain extension. 2015

Zeolithoswinenemea.gr

Corporate website. 2014

Metallourgia.gr

Corporate website. 2013

TRWN DNS Based Captive Portal

A captive portal [hotspot.trwn.gr] for the hotspot network of Tripolis Wireless Network. It's based on a DNS Server that delivers custom DNS replies to hotspot clients. (PHP, Lua, PowerDNS) 2013-2014

TAXISnet Clone

Online tax submission system, originally developed by the General Secretariat for Information Systems (GSIS). (ASP.NET(C#), MS SQL Server) 2012

ACOR for EDP with valve point effects

MatLab implementation of ACO-R algorithm for solving the Economic Power Dispatch problem with valve points effect. 2011

Parallel Port Web Interface

Web application that controls analog inputs and outputs (rele) through parallel port from a web interface (PHP, C). 2011

iReport

Joomla based complaint board. 2011

Projects



Eshop Clone

Online e-shop in ASP.NET (C#) and MS SQL Server 2008, a clone of the original e-shop.gr, the most successful e-shop in Greece. 2010

NetFaster IAD 2 Router Reconnector

Browser automation application for changing the WAN IP of the Router (WatiN, .NET[C#]). 2010

Tripolis Wireless Network Portal

Website [www.trwn.gr], forum, wireless nodes database (WiND), photo gallery, mailing list, mail server and more services for the TRWN, a wireless community network. 2008-Today

TRWN Infrastructure

Installation, development and maintenance of several computer and network services (sites, monitoring services, control panels, p2p servers etc). 2007-Today

Certificates



Cyber Security management

Charles Sturt University, Certificate of Achievement in Short Course: Cyber Security management. Grade: 78/100. Jan 2016

Digital Forensics

Charles Sturt University, Certificate of Achievement in Short Course: Digital Forensics. Grade: 83/100. Oct 2015

Key Achievements



Social Activity

- President / Vice President of the non-commercial organization "Tripolis Wireless Network" 2008-Today
- Volunteering technical support (installing wireless stations, maintaining services etc) at "Tripolis Wireless Network" organization. 2007-Today

Competition Participation

- 1st Competition «i-bank Innovation & Technology», National Bank. 2010
- 2nd Competition «i-bank Innovation & Technology», National Bank. 2011