



THEOCHARIS TSENIS

Date of birth: 01/05/1973 | **Nationality:** Greek | **Gender:** Male |

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CHATZIPANAGIOTIDOU 3, 55235, Thessaloniki, Greece

● EDUCATION AND TRAINING

01/09/2019 – 01/09/2020 – Thessaloniki, Greece

MASTER IN ARTIFICIAL INTELLIGENCE – Aristotle University Computer science department

<https://www.csd.auth.gr/>

02/09/2006 – 07/10/2009 – Cranfield, United Kingdom

MASTER IN NANOTECHNOLOGY AND MEMS – Cranfield University

www.cranfield.ac.uk

02/09/2004 – 27/01/2006 – Saint Etienne, France

MASTER IN MICROELECTRONICS TECHNOLOGY AND MANUFACTURING MANAGEMENT – Ecole Nationale Supérieure des Mines Saint-Etienne

<https://www.mines-stetienne.fr/recherche/5-centres-de-formation-et-de-recherche/centre-microelectronique-de-provence/>

01/09/1995 – 01/10/1996 – Thessaloniki, Greece

MASTER IN ELECTRONICS – Polytechnic School of Aristotle University

<https://www.eng.auth.gr/archiki.html>

01/09/1991 – 01/10/1995 – Thessaloniki, Greece

ELECTRONICS AND COMPUTER ENGINEER. – Polytechnic School of Aristotle University

<https://www.eng.auth.gr/archiki.html>

● WORK EXPERIENCE

10/01/2020 – CURRENT – Thessaloniki, Greece

FELLOW RESEARCHER – CERTH - IMET

Hardware and artificial intelligence designer institute CERTH/IMET sector C. Microelectronics, MEMS, micromechanics, FEA, ultrasonic laboratory expertise, and thermography. Various ML designs in CNN, RNN DNN, Deep RL. Developed deliverables for various EU projects like CARBODIN and GEARBODIES. Developed various EU grant proposals for green deal energy distribution, forestry, agro farming, circular economy, health diagnostics, industrial machinery, green shipping, structural health monitoring, seaports, airports.

01/01/2015 – CURRENT – Thessaloniki, Greece

REAL ESTATE CONSTRUCTION – SELF-EMPLOYED

I provide funding advisory on a family business on real estate renovations of small apartments and constructions of small to mid-size urban lands (www.nanelec.com). Debt finance, joint ventures, utilizing derivatives in construction.

01/01/2002 – 01/01/2020 – Athens, Greece

FREELANCER – SELF-EMPLOYED

Freelancing designs developed entirely by me; **Microelectronic** boards design, simulating, manufacturing, assembling, **FPGAs**, VHDL, Verilog, System C, **Power** electronic modules in the industry, **Microsystems**, **Finite Element Analysis** multi-physics, **Online** gaming, freelancing writing games, **Embedded** software, various designs various MCU's and MPU's, **Distributed** computing, Blockchain and smart contracts decentralized apps .

● **LANGUAGE SKILLS**

Mother tongue(s): **GREEK LANGUAGE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **PUBLICATIONS**

An initial acousto-ultrasonic experimental investigation of defects in composite specimens used in the transportation domain

<https://doi.org/10.21595/vp.2020.21759> – 2020

Design of a Distributed Low-Cost and Low-Power Sensor Unit based on Acceleration Principle

<https://doi.org/10.1109/ICECCE49384.2020.9179469> – 2020

Acousto-ultrasonic analysis of defects in composite specimens used in transportation domain

<https://doi.org/10.21595/jme.2021.21932> – 2021

SMARTCLIMA: Reinforcement Learning residential thermostat-less heating control system

<https://doi.org/10.1109/ICECCME52200.2021.9591000> – 2021