

Name	Ioannis A.
Family Name	Mourtsiadis
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Profession

Telecommunication Engineer, MSc.,

Languages

Greek (Native Language)
Polish
English

Companies/Position

2025	<u>Co-Founder and CTO of Bladeless Technologies L.P.</u> Focusing on developing proprietary Bladeless Drone Technology, and proprietary Enhanced Axial Flux Motor. Company is on HOLD. Estimated product launch second mid-2026.
2023	<u>Co-Founder and CTO of Pi Modules Technologies L.P.</u> Focusing on developing and selling Raspberry Pi related own products, as also offering design and manufacturing services to other companies.
2013 to Today	<u>Founder of Sole proprietorship www.PiModules.com</u> Focusing on developing and selling Raspberry Pi related own products, as also offering design and manufacturing services to other companies.
2007 to 2013	Co-Founder and Technical Director/Technology Inventor - INFITHEON Technologies Ltd.,
1997 to 2012	Founder of Sole proprietorship <u>I.A. Mourtsiadis Elcom Research</u> Focused on developing and selling Radio Amateurs related devices, as also offering design and manufacturing services to other companies.
1995 to 2007	Deputy Technical Director - MARAC Electronics S.A.
1987 to 2007	Senior Engineer/Technical Project Manager R&D Department MARAC Electronics S.A.
1986 to 1987	Engineer, R&D Department - Microsystem S.A.

CTO and co-founder of Pi Modules Technologies L.P.,
Company website www.pimodules.com

Sole proprietorship Pi Modules, Company websites:
www.pimodules.com,
www.dip-pi.com

Approved Raspberry Pi Design Partner and Manufacturer in the following countries:

- **USA,**
- **New Zealand,**
- **Australia,**
- **Canada,**
- **JAPAN,**
- **Switzerland,**
- **Norway,**
- **United Kingdom,**
- **Poland,**
- **Greece,**
- **Germany,**
- **Italy.**

Examples of Customers Reference - Designed Products

USA - <https://forwardedge.ai/>

Example of Designed Products: **Isidore Quantum, Blaise**

<https://forwardedge.ai/isidore/>

<https://forwardedge.ai/products-blaise/>

Greece - <https://www.satways.net>

Example of Designed Products: **MOTUS 32-3**

https://www.satways.net/brochures/MOTUS%2032-3%20Brochure_v1.0_en.pdf

USA - <https://fpti.org/>

Example of Designed Products: Using a full set of PiModules Products

USA - <https://www.quadlogic.com/>

Example of Designed Products: Using a full set of PiModules Products

Poland - <https://www.lely.com/>

Example of Designed Products: Using a full set of PiModules Products

Canada - www.intellinox.com

Example of Designed Products: Using a full set of PiModules Products

Sweden - <https://vickyteknik.se/>

Example of Designed Products: Using a full set of PiModules Products

Experience

- 2007 – Today** **Partner in Various US and EU Government Project, as Designer, Manufacturer, or Supplier (non-Public)**
- 2013 - Today** **Designer and Manufacturer of Electronics Products**
Mission of PiModules is to design, manufacture and provide an extremely low-cost intelligent Add-on Boards to the RaspberryPi® microcomputer (the cheapest over the world Single Board Microcomputer). A series of products have been designed and sold under the PiModules brand all over the world. Totally from 2014-2025 we sold about 170 000 pcs of our products 99%, exported to more than 70 countries. PiModules also offers a dedicated (custom based) design/manufacturing services starting from QTY 1.

INFITHEON Technologies Ltd.,

- May 2013** **Shares of INFITHEON and infiSENSIS EU Patent have been sold.** Relations with INFITHEON Technologies Ltd, have been discontinued.
- 2007 – 2013** **Co-Founder and Technical Director/Technology Inventor in the following Projects:**
- 2009 – 2012** **7th Framework Programme on Research, technological Development Project**
DITSEF: Digital & Innovative Technologies for Security & Efficiency of First Responder operations
- 2010 – 2012** **European Space Agency Project**
LET SME ANNOUNCEMENT OF OPPORTUNITIES 2009
"Ultra Low Power Heterogeneous Reconfigurable Wireless Sensor Network for battery powered, self-powered and remote powered telemetry for Space Craft applications"
- 2010 – 2011** Inventor of technology and designer of the patented Infrasonic Autonomous Security Systems **infiSENSIS** system (former **iCERBERUS**)
- 2010 – 2011** Inventor of technology and core designer of **FORTRAK** - battlefield tracker offered to Greek Special Forces.
- 2010** Inventor of technology and co-owner of the patent in Infrasonic Area Protection Technology
System and method for anti-theft protection/alarm
EUROPEAN PATENT SPECIFICATION EP 2 492 881 B1
Application number: 12386006.6
- 2007 – 2009** **European Space Agency Project**
Remote RF powering and Passive Telemetry link for a Wireless Strain Sensor System
RFQ No. 3-12170/07/NL/GLC

Sole proprietorship Ioannis A. Mourtsiadis Elecom Research

2007 **Registered by US Army and NATO and approved by Greek authorities as Technology solutions supplier.**
The Ad-Hoc Long distance wireless self-organized network has been selected and tested during military exercises in Monterey (USA) and Thailand. The designed and manufactured nodes have been installed and tested in balloons, Airplanes and soldiers making a huge cell size Self Organized Radio Network and transferred soldiers' positions from the battlefield to Command Center.

Owner N-CAGE CODE: G0953

from NCB USA approved by Greek Authorities (Υπουργείο Εθνικής Άμυνας Γεν. Δ/ΗΣΗ Αμυντ. Εξοπλισμών & Επενδύσεων)

2006 – 2007 **Technology Supplier to COASTS Project**
Military Project for USA Army Ad Hoc Long-distance wireless self-organized network for military applications

1997 – 2007 **Technology Inventor and manufacturer of Radio Amateur Equipment.** Small Radio USB Terminal Node Controller – for APRS Radio Networks

Marac Electronics S.A.

2004 **Commercial Project: MARAC AVL (Automatic Vehicle Location)**

Position: Project Technical Manager

Responsibilities: Project Technical Management

Experience: GPS technology, GPRS Technology,
Long Distance Wireless LAN technology

2004 **FP6-2003-NMP CONCLORE**
Controlled Closed Loop Recycling for Life-Cycle Optimized Industrial Production

Position: Project Technical Manager

Responsibilities: Project Technical Management

Experience: RFID Technology

2004	<i>ΠABET Project: NAVTEX Receiver II</i>
	Position: Project Technical Manager,
	Responsibilities: Project Technical Management
	Experience: Software Radio Technology
2002	Εκπρόσωπος του ΣΕΒ στην Επιτροπή Διαστημικής Πολιτικής στην Ελλάδα
2001	NATO CEPA 6 Military Project Manager
1999 - 2001	<i>EU TEN TELECOM Project: SaTISFY2000</i> Satellite Integrated Services for the year 2000
	Position: Project Technical Manager,
	Responsibilities: Project Technical Management R&D Engineering,
	Experience: ISDN Technology, Satellite ISDN, TCP/IP over satellite, TDMA satellite Technology, FDMA satellite Technology, High Speed satellite Modem Design (up to 2Mbits), Modem Base Band Design, Altera FPGA design, Satellite terminal design, DVB-S Technology, Embedded Windows NT technology, Internet/Intranet technology, HTML technology, Satellite Ground station technology
	Key Partners: Ceryx New Media (DE), ComCenSus Ltd (UK), Expertel Consulting Group France Telecom (FR), MediaMobile Communication GmbH (DE), USHA Communications Technology(UK), Nera Communication (UK), University of Bremen (DE)
1999 – 2001	<i>EU Telematic Project: ArchiPELAGO</i> A radio network technology for short-range maritime communications
	Position: Project Technical Manager,
	Responsibilities: Project Technical Management R&D Engineering
	Experience: Wireless modem Technology, SOTDMA technology, AIS technology,

Point to Multi Point wireless modem
Technology, Internet/Intranet
Technology, UHF/VHF technology

Key Partners: ENYCA Engineering & Communications
S.A. (ES), DDNet Internet Services
Provider (ES), SASEMAR Spanish SAR
Organization (ES), SOFRELOG Maritime
traffic control systems (FR)

1998 - 2000

***EU TELEMAIC Project* COMMAN**
**Communication Manager System for Data Exchange for
Ship Operations**

Position: Project Technical Manager,

Responsibilities: Project Technical Management
R&D Engineering

Experience: HSD Satellite Interfaces design,
Satellite ISDN, Dual Mode, TCP/IP
technology, Terminal Design
(Wireless/Satellite), Windows NT
technology

Key Partners: British Aerospace Land & Sea Systems
(UK), Defense Evaluation & Research
Agency (UK), EUTELIS (FR), Institute
of Ship Operation, Sea Transport and
Simulation (DE), SINTEF Telecom and
Informatics (NO), Trans European
Consulting Unit of Thessaloniki (GR)

1998 - 2000

EU TELEMAIC Project: PRESTO
**Precision Weather Forecasting System for Multimodal
Transport**

Position: Project Technical Manager,

Responsibilities: Supervising R&D Engineering,
Project Technical Management

Experience: GSM data/SMS technology
Wireless High Speed Modem Design
Now Casting Technology

Key Partners: Saarikivi Weather & Law Oy Ltd (FI),
Oy Weather Service Finland Ltd. (FI),
Technical Research Centre of Finland/
VTT (FI), Moher Technologies Ltd.,
(IE), Swedish Meteorological and
Hydrological Institute , Thomson-CSF
Airsys, (FR)

1998 - 2000

EU ACTS Project: SUMO
Satellite-UMTS Multimedia Service Trials Over Integrated Testbeds

Position: Project Technical Manager
Team member

Responsibilities: R&D Engineering
Project Technical Management

Experience: S-UMTS Technology, Software Radio Technology, Satellite HSD Terminal Design (2MBps), ISDN Bonding Technology, Video Conferencing via Satellite Link, ISDN equipment design, B-ISDN Technology, ATM Technology, TDMA techniques , SCPC Technology

Key Partners: MediaMobile Communication GmbH (DE), Nera Ltd (UK), University of Bradford (UK), University of Surrey (UK), Telenor (NO), University of Bremen (DE)

1997 – 1999

EU ACTS Project: TOMAS
Inter-Trial Testbed of Mobile Applications for Satellite Communications

Position: Project Technical Manager
Team Member

Responsibilities: R&D Engineering,
Project Technical Management

Experience: Satellite terminal Design for 2 MBps, Satellite Ground Station, B-ISDN, Software Radio Technology, Video Conferencing Via Satellite, TURBO and Viterbi Channel encoding technology, Software demodulator for 2 MBps rates

Key Partners: MediaMobile Communication GmbH (DE), AXON GmbH (DE), INMARSAT (UK), Nera Ltd (UK), University of Bremen (DE), Robert Bosh GmbH (DE)

Publications:
A. Schubert, A. Blaydes, I. Mourtsiadis, H. Rijndorp, M. Franken,
"The TOMAS Mobile Satellite Terminal Implementation",
ACTS Mobile Telecommunications Summit 1998, Rhodes (GR), June 1998

1995 – 1998

EU ACTS Project:

EIES European Information Exchange Service for the Communication between Harbour areas

Position: Project Technical Manager
Team Member

Responsibilities: R&D Engineering,
Project Technical Management

Experience: N-ISDN, HSD Radio Technology, Video Conferencing Via HSD Radio Link, Viterbi Channel encoding technology

Key Partners: MediaMobile Communication GmbH (DE), Mocher Communication Ltd (UK), EUTELIS (FR), ENYCA Engineering & Communications S.A. (ES), Port authority of Santander (ES)

Publications:

Dr. P. Hartigan, Mr. A Schubert, Mr. I Mourtsiadis
"Result of ship-borne wireless multimedia trials in the EIES project"
MARCOM' 97 the 2nd annual European Workshop on Advanced Communications for the Maritime World October 16-17, 1997 - Bremen, Germany

Dr. P. Hartigan, Mr. A Schubert, Mr. I Mourtsiadis
"Third generation wireless technologies: New opportunities for communications mobility in ship operations"
MARCOM' 97 The 2nd annual European Workshop on Advanced Communications for the Maritime World October 16-17, 1997 - Bremen, Germany

1996 – 1997

Project: Wireless ISDN

Position: Project Technical Manager
Team Member,

Responsibilities: R&D Engineering,
Technical Project Management,

Experience: Wireless ISDN technology
Telecomm FPGA Design (Altera)
Channel Encoder/Decoder design
ISDN Interfaces Design (NT/TE)

Key Partners: MediaMobile Communication GmbH (DE)

1995 – 1996

Commercial Project: Cordless High Speed Data Link

Position: Technical Project Manager/Team Member,

Responsibilities: R&D Engineering
Technical Project management

Experience: High Speed Data Link Design, HSD BaseBand Design, HSD Interfaces Design, HSD Base Band Design, Telecomm FPGA Design (ALTERA), Async/Synch channel multiplexing, Hardware and Software

Key Partners: MediaMobile Communication GmbH (DE)

1995 - 1995

Commercial Project: Global Maritime Distress and Safety System Simulator

Position: Senior Engineer – Team Member,

Responsibilities: R&D Engineering,

Experience: C language programming

1992 - 1995

EU RACE Project: MOEBIUS

Mobile Experimental BroadBand Interconnection Using Satellites

Position: Senior Engineer
Team Member
Team Leader,

Responsibilities: R&D Engineering,
Team Management

Experience: Real Time Video
Conferencing/applications sharing
Using Satellite Link (64- 384 Kbps),
Inmarsat Satellite Technology, Satellite
Channel multiplexing nx64, ISDN
technology, ISDN Bonding technology,
wireless High Speed Data design using
FPGA design

Key Partners: ABB NERA (UK), Bremer Vulkan AG (DE), HUT (FI), Neste Shipping OY (FI), University of Bremen (DE), VistaCom (FI), BIBA (DE), INMARSAT (UK), NTUA (GR),

1991 - 1992

Commercial Project: Digital Selective Calling

Position: Engineer Team Member
Team Leader

Responsibilities: R&D Engineering,

Team Management

Experience: Radio Modem design 1200/2400 bps,
Real time embedded design (Hardware
and Software in C language), Intel
80188

1991 - 1991

Internal Project: Real Time NAVTEX Simulator

Position: Engineer

Responsibilities: R&D Engineering

Experience: Real Time Simulation Design under
DOS in C language, PC architecture

1987 - 1992

Commercial Project: NAVTEX Receiver

Position: Engineer
Team Leader
Technical Project Manager

Responsibilities: R&D Embedded Engineering (Hardware
and software), Team Management,
Project Management, Production
Inspection

Experience: Radio Communication Hardware and
Software design, Embedded Real Time
Design in C and Assembly, Zilog and
Intel μ P, Hardware design, RF Design
(Low Frequency)
Final product design and preparation
(housing, manual, etc.)

**MARAC Electronics S.A. manufactured and sold
more than 5500 pcs of NAVTEX Receiver NMR-
100 with turnover of this product higher than
6.5 Million Euro**

Microsystem S.A.

1986 – 1987

Position: Engineer
Responsibilities: R&D Engineering
Experience: Embedded Hardware and Software
Design, Data Terminal Design, FDD
interface Design, C, Pascal, Assembly,
PL/M, Z80, 8080, 8086, CP/M, DOS,
CPM86, HP2000, ADOS, Multitasking
OS systems Design