Dimitrios P. BOURAS

IoT/ICT Expert

CONTACT INFO

+1 (604) 721-5160
dimitrios.bouras@gmail.com
http://dbouras.net
http://linkedin.com/in/dbouras

Introduction

My background is in electrical engineering, with more than two decades of industrial experience. In recent years my focus has been on IoT & Edge Computing Cloud technologies and I am currently with FUTURi Power Inc, an intelligent electrification pioneer. Past positions include Vessel IoT Lead Architect at ZeroNorth A/S, a leader in the green transition of global maritime trade, Managing Director & Head of Engineering at METIS Cybertechnology, Software Development Manager at EnerSys Americas (formerly Alpha Technologies Ltd.), Chief Architect and acting VP Engineering at mimik Technology, Electrical Supervisor at Thenamaris (a top-tier ships-management company), Principal Engineer at Atmel (now part of Microchip Technology), System Engineering Lead at Theta Microelectronics (RFIC IP and design services) and research engineer at Ericsson. Also as an FP6, FP7 and Horizon 2020 expert evaluator and reviewer with the European Commission, in Information, Communication and IoT Technologies, I have co-monitored execution of fourteen R&D projects, with budgets totaling in excess of 75M EUR and typical life-cycles of 2-4 years each. I hold postgraduate degrees in Digital Telecommunications, Electrical Engineering, from the University of British Columbia, Vancouver, Canada.

Employment experience

Director of Engineering & Platform Strategy — Dec 2024 – present

FUTURi Power Inc.

Leading system design and product delivery, bridging engineering execution with business priorities with a focus on aligning technical development with customer needs, certification requirements, and commercialization goals. Working closely with the Executive team for developing and evolving the vision of intelligent electrification.

Vessel IoT Lead Architect (Remote) — Apr 2023 – Nov 2024

ZeroNorth A/S

Responsible for delivering the end-to-end architecture of the IoT solution, feeding Digital Twin-based and Big Data-driven monitoring, analysis, and optimization of vessel performance. Synthesizing requirements, defining specifications, guiding technical work on software and systems integration and also working closely with product, commercial and IT teams for developing and evolving the IoT vision according to business value and need.

Managing Director (Canada), Head of Engineering (Remote) — Aug 2019 – Feb 2023

METIS Cybertechnology Inc.

Leading Edge Computing, overseeing IoT & Cloud Engineering teams and platform development (Remote), with application to digital automation, monitoring and operational optimization for the global Maritime Industry. Building up service and support capacity by growing operations in Vancouver (Canada), while also developing leads for new customers across North America. As a senior member of the management team, I contributed actively in shaping company strategy for scaling our offering and establishing a global brand.

Software Development Manager — Jun 2017 – Jul 2019

EnerSys Energy Systems Americas (formerly Alpha Technologies Ltd.)

Defining the strategy and leading teams developing software and embedded firmware for modules, intelligent system controllers and IoT components for industrial power solutions. Working with customers, product managers and sales for developing product road-maps. Reporting to the VP Telecom Technology and advising on “build, buy, partner and avoid” decisions. Collaborating with EnerSys business units worldwide, with program managers, engineers, technologists, supply chain, manufacturing and technical support.

Chief Architect / acting VP Engineering — May 2015 – Apr 2017

mimik Technology Inc.

Leading an agile engineering team in a pre-revenue startup environment, providing architectural direction and coordinating implementation plans for an edge-computing micro-service based cloud platform. Since joining I was instrumental in revamping software development life-cycle management tools and processes, contributing to the transformation of an R&D culture into a product and market driven one. As a senior member of the management team, I regularly communicated company technology strategy to employees, partners, customers and investors.

LANGUAGES

ENGLISH
Native / bilingual proficiency

GREEK
Native / bilingual proficiency

FRENCH
Limited working proficiency

INTERESTS

Wireless Technology
Transceivers, antennas, analog and digital systems. Amateur radio qualifications: Basic, Advanced, Morse code call-signs: VE7HDB / SV0XCB

Computer Software / Hardware
Involvement with computing and networking reaches back to the early 90's and the infancy of the Internet and the World Wide Web. Experimentation with operating systems spans more than three decades, starting with Exec 8 on a Sperry Univac 1100 series mainframe and Unix on a Perkin Elmer 3200 series minicomputer. Contributing code and advocating software and Internet freedom for over twenty five years, as an earnest supporter of the Open Source movement since its inception.

Outdoors
Hiking, Skiing, Sailing, Biking.

Music
Classical & electric guitar; five years of conservatory studies.

Employment Experience (cont.)

Electrical Eng. Supervisor — **Dec 2010 – Mar 2015**
Thenamaris Ships Management Inc.
Developing and leading the electrical engineering group within the Technical Department. The group supports superintendent engineers, fleet electricians (in the order of one hundred individuals) and the new-buildings team in all things related to electronic automation, on-board ICT, telecommunications, radio navigation and telemetry for energy optimization. Responsible for overseeing maintenance as well as planning, management and tracking of related development and infrastructure projects with average annual budgets of 1-2M USD.

Independent Expert (Evaluator, Reviewer) — **Nov 2003 – Feb 2020**
European Commission, DG INFSO & DG Connect
Serving the European Commission, in the Information, Communication and IoT Technologies area. Roles included evaluator and rapporteur during selection of projects for funding, as well as project reviewer for monitoring execution of funded projects, under the EU 6th, 7th Framework (FP6, FP7) and Horizon 2020 R&D Programs. Over the course of nearly twelve years, I took part in a total of 10 week-long evaluation sessions and co-monitored successful execution of 14 projects with budgets totaling in excess of 75M EUR and typical life-cycles of 2-4 years each.

Manager, Systems & Applications — **Sep 2006 – Jul 2010**
Theta Microelectronics Inc.
Leading the Systems & Applications Group that served as interface between customer technical requirements, specifications, established or emerging standards and internal R&D / implementation effort, guiding design decisions based on capabilities and trade-offs. Successfully executed projects: RFICs for broadband wireless (MIMO) distribution of HDTV signals in the home; fully integrated RFIC transceivers for microwave back-haul networks.

Principal System Engineer — **Oct 1998 – Aug 2006**
Atmel Corp. (now part of Microchip Technology Inc.)
Managing the digital signal processing team, designing and implementing ASIC hardware as well as developing firmware for telecom systems. Designing and implementing means of assessing quality of team output. Major project engagements were in state of the art wireless technologies such as WiFi (IEEE-802.11a/b/g wireless LAN), WiMax (IEEE-802.16 wireless MAN) and BlueTooth (IEEE-802.15 wireless PAN), both as senior design engineer and as group manager.

Education, Prof. Associations

PhD Electrical Eng. – Telecommunications — **1991 – 1995**
The University of British Columbia, Vancouver, Canada
Thesis Title: "Advanced Noncoherent Receivers for Mobile Fading Channels" (2 years Research Assistantship, 2 years University Graduate Fellowship). Recipient of a UBC University Graduate Fellowship (1993-1995). University-wide "Best Ph.D. Thesis" nomination for the Natural Sciences and Engineering Research Council of Canada (NSERC) award for 1995.

MASc Electrical Eng. – Telecommunications — **1989 – 1991**
The University of British Columbia, Vancouver, Canada
Thesis Title: "Optimal Decoding of PSK and QAM Signals in Frequency Nonselective Fading Channels" (1.5 years Research Assistantship).

Diploma Electrical Eng. — **1983 – 1989**
University of Patras, Patras, Greece
Five-year study including thesis, specialization field: telecommunications.

Institute of Electrical & Electronics Engineers (IEEE) — **1989 – present**
Member, Technical Program Committee Member (VTC, WRECOM).

Volunteering & Causes

UBC Amateur Radio Society, Member, President, Alumni Member — **1991 – 1995**
University non-profit promoting Amateur Radio & maintaining Campus radio infrastructure

Electronic Frontier Foundation, Member — **2020 – present**
Free Software Foundation, Associate Member — **2006 – present**
Vancouver Maritime Centre for Climate, Steering Committee Member — **2021 – 2023**
The Planetary Society, Member — **1992 – present**
Canadian Red Cross, Donor — **2015 – present**