




PERSONAL INFORMATION



Nektarios Spyridakis

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 nektar@hcmr.gr
www.hcmr.gr, www.rslab.gr

Sex Male | Date of birth 25/06/1971 | Nationality Greek

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

Electrical Engineer

WORK EXPERIENCE

2010 - To date

Marine Optics

Hellenic Centre for Marine research (HCMR) - Institute of Oceanography (46.7 km Athens-Sounion Av., Attica, Greece, www.hcmr.gr).

- Instrumentation and specialised software design, development, maintenance and operation.

Business or sector Environmental monitoring.

2015 - To date

Meteorological - Eddy Covariance

Foundation for Research and Technology (FORTH) - Institute of Applied and Computational Mathematics (IACM) - Remote Sensing Laboratory (100 N. Plastiras str., Vassilika Vouton, Herakleion, Crete, Greece, www.rslab.gr, www.iacm.forth.gr, www.forth.gr).

- Eddy Covariance instrumentation maintenance, meteorological stations maintenance.

Business or sector Urban Fluxes.

2001 - 2004

ROV Operations

Institute of Marine Biology of Crete (IMBC) - Department of Marine Ecology and Biodiversity (IMBC is the predecessor of HCMR).

- ROV maintenance and piloting.

Business or sector Environmental monitoring.

1993 - 2001

Underwater Acoustics

Institute of Marine Biology of Crete (IMBC) - Department of Underwater Acoustics and Marine Information Systems (IMBC is the predecessor of HCMR).

- Hydroacoustics instrumentation and software design, development, maintenance and operation.

Business or sector Environmental monitoring.

EDUCATION AND TRAINING

2004 - 2005 **MSc in "Coastal Zone Management"**
 University of the Aegean - Department of Marine Sciences (Mytilini, Lesvos, Greece, www1.aegean.gr).

- MSc thesis "Development of a Bottom Classification System".

1989 - 1993 **Electrical Engineering**
 Technological and Educational Institute of Herakleion - School of Engineering - Department of Electrical Engineering Stauromenos PC 71410, Herakleion, Crete, Greece, www.teicrete.gr).

- Thesis "Underwater Acoustic Signal Analysis with LabVIEW".

PERSONAL SKILLS

Mother tongue Greek

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	B2
First Certificate in English - University of Cambridge					

Communication skills

- Good communication skills, gained through co-operation with multinational and miscellaneous speciality scientific personnel.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	INDEPENDENT USER	PROFICIENT USER

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Good command of office suite (word processor, spread sheet, presentation software).
- Good command of image editing software.
- Good command of industrial design software.
- Good command of virtual instruments development in LabVIEW.

Other skills

- Carpentry
- Metalworking
- Drawing

Driving licence

B

ADDITIONAL INFORMATION

Publications

- Michael Sfakiotakis, Manolis Arapis, Nektarios Spyridakis, John Fasoulas (2013). "Development and Experimental Evaluation of an Undulatory Fin Prototype". Received Best Paper Application Award, in the 22nd International Workshop on Robotics in Alpe-Adria-Danube Region, (11 - 13) September 2013, Portorož, Slovenia. The presentation was awarded with the Best Paper Application Award.
- A.P. Karageorgis, P.G. Drakopoulos, S. Psarra, K. Pagou, E. Krassakopoulou, A.C. Banks, D. Velaoras, N. Spyridakis and E. Papathanasiou, 2017. "Particle characterization and composition in the NE Aegean Sea : Combining optical methods and biogeochemical parameters". Elsevier, Continental Shelf Research, issue 149, pages 96 - 111.
- Stagakis, S., Chrysoulakis, N., Spyridakis, N., Feigenwinter, C., Vogt, R., 2019. Eddy Covariance measurements and source partitioning of CO2 emissions in an urban environment: application for Heraklion, Greece. Atmos. Environ. doi:10.1016/J.ATMOSENV.2019.01.009
- A. P. Karageorgis, P. G. Drakopoulos, S. Chaikalis, A. Lagaria, **N. Spyridakis**, S. Sparra, 2019. "*The LEVECO project bio-optics experiment in the northwestern Levantine Sea: preliminary results*". Proceedings of SPIE 1117, Seventh International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2019), 111740W (27 June 2019); doi: 10.1117/12.2533658.

Presentations

- Analysis of Sound Signals with LabVIEW, Technology and Automation, TEI of Peiraus (9 - 10 May, 1996) and Circuits, Systems and Computers, Naval Academy (15 - 17 July 1996).
- Development of a Hydroacoustic Bottom Classification System for the Coastal Zone, 8th Panhellenic Symposium in Oceanography and Fisheries, Thessaloniki (5 - 8 June 2006).
- The use of Drifting Buoys for the study of the summer upwelling in Eastern Aegean Sea - July 2014, 11th Panhellenic Symposium in Oceanography and Fisheries, Mytilini (2015).
- An Underwater Optical Instrumentation Platform for the measurement of the optical properties of sea water, 11th Panhellenic Symposium in Oceanography and Fisheries, Mytilini (2015).