

Technology - Innovation Manager



Emmanouil TRICHAS

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Professional Experience

In Innovation & Research

2018: Manager of Regional Patent Library of Heraklion: patent information, transfer & diffusion of technological information services.

2017: Internship as Business Developer – ProtAtOnce: Develop strategies for new market opportunities in proteomics, drug & biomarker discovery through “Nanotechnology – ELISA” IP-Landscape mapping.

2015: Researcher – MRG’s Principal Investigator: of the “nanoHydrogen” project, budget 400K€, program “Excellence-II, at “Microelectronics Research Group (MRG)/IESL/FORTH, Greece. Development of a water photocatalytic technology for fuel cell hydrogen production.

2012-2014: Researcher-Engineer: ERC “TeraGaN” project, INAC/CEA-Grenoble. Study, fabrication & characterization of IR-detectors based on GaN/AlGaIn Quantum Cascade Detectors (QCDs).

2012: Researcher-Engineer: Proposal writing in group of the “Mercure” projet, ENIAC Call2, individual proposal writing & submission of the “nanoHydrogen” proposition, MRG/IESL/FORTH.

2011: Engineer: Internship - Quantity Surveying Dpt., “Domiki Kritis SA”, public works & construction company, Crete, Greece. Project management in road, dam, port, building wind, solar park, sewerage & pipeline construction.

2006-2010: Doctoral Researcher: Research on “Strong light-matter interaction in GaN microcavities”, for the fabrication & optical characterization of polariton-LEDs, MRG/IESL/FORTH.

2004-2005: Researcher: Research on organic microcavities fabrication for novel light sources (polariton-LEDs), MRG/IESL/FORTH.

2002: Quality Control Assistant: R&D and Quality Control-ISO 9000 Dpt., “Plastika Kritis SA”, polymer industry, Grèce.

In Teaching

2011-2012: Visiting Lecturer: Dpt. of Materials Science & Technology, University of Crete. Course “Properties of Materials”.

2011: Teaching Assistant: Dpt. of Electrical Engineering, Technological Educational Institute of Crete. Course “Control Instruments - LabView”.

2004-2005: Teaching Assistant: Dpt. of Materials Science & Technology, University of Crete. Course “Experimental Physics”.

Education

2011 – PhD in Materials Science & Technology: Dpt. of Materials Science & Technology, University of Crete.

2003 – MSc in Physics of Materials: Dpt. of Physics, Aristotle University of Thessaloniki. Specialization: Advanced Materials & Applications.

2001 – BSc in Physics: Dpt. of Physics, Aristotle University of Thessaloniki. Thesis: “Quality Control Systems - ISO 9000”.

Additional Education

2012 – BEng in Civil Engineering: Dpt. of Civil Engineering, Technological Educational Institute of Crete. Thesis: “Design & load study on steel frames for photovoltaic panels on building tops”.

Competences

Technology:

Fabrication-Cleanroom: Lithography, SEM & EDX, dry & Photoelectrochemical etching, physical depositions, Wire-Bonding.

Characterization: Reflectivity, Transmission, IR-Spectroscopy, μ -PL, Pump-probe, AFM, Electrochemical CV profiling, Responsivity.

Computer Skills: Mathematica, Igor, V. Basic, LabView, CleWin, AutoCAD, Inventor, ArchiCAD, MS Project, SPSS, R, GPI, PATSTAT (for patent search).

Management & Communication:

Fund Raising - Proposal Writing: 1) FTI – H2020 project “SMARTEC”, 2) Aristeia-II, project “nanoHydrogen”.

Project Management: project “Mercure”, programme ENIAC Call2, Europ. Commission.

Official Report Drafting: *European Projects:* 1) ERC Starting Grants: “TeraGaN” & “Polaflow”, 2) ENIAC Call2 “Mercure”, 3) ITN projects CLERMONT4 & ICARUS. *National Projects:* 1) Aristeia-III “nanoHydrogen”, 2) PENED-2003 “Polariton macrocavities”, 3) Herakleitos-II “Organic Microcavities”, 4) Aristeia-I “Apollo”, 5) Thales “Nanophos”.

Civil Works Project Management: road, dam, port, building wind, solar park, sewerage & pipeline construction

HR Management: 1) Research Group Leader at MRG (2015), 2) Greek Army Sergeant (2004).

Languages

English: Professional Proficiency

French: Minimum Professional Proficiency

Greek: Native Language

Innovation & IP Training

2018: Master in Business Economics - Technology & Innovation Management (MBE-TIME): joint program, University of Crete - Wageningen University - University of Cyprus.

2008 – Seminar in: Innovation Management, IPRs, Business Plan Development, (Science & Technology Park of Crete - 240 heures).

EPO Training

A. Exploiting IP at Universities, EPO Conference, Athens, October 2018.

B. Sophisticated Searches & Informative Searches Reports, EPO-Vienna, September 2018.

C. EPO-PatLib 2018: A Networking Event, Ljubljana.