

Curriculum Vitae

Kontomitrou Vasiliki

Environmental engineer||

ISO 9001:2015 Quality Manager||

PERSONAL DETAILS

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| Nationality: Greek |
| Date of birth: 06 August 1985 |
| Home Address: Heraklion Crete, Greece, GR-71409 |
| Tel. ☎ : (+30) 2810 394111, |
| Email: waliakon@physics.uoc.gr; waliakon@iesl.forth.gr |
| ORCID iD: 0000-0002-7523-6507 |

EDUCATION

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| 2003-2009 | BSc in Natural resources & Environmental engineering Technological Educational Institute of Crete , Department of Environmental and Natural Resources Engineering, Chania, Greece Diploma Thesis: “Airborne Microbial Concentrations and PM10 Levels in Air Conditioned Offices”. |
| 2012 | Certificate of Energy Building inspection Technological Educational Institute of Crete, Ministry of Environment, Energy & Climate change |
| 2017-2018 | Certificate of Pedagogical and Teaching Competence School of Pedagogical and Technological Education (ASPETE), Pedagogical Training Program (EPPAIK). Diploma Thesis: “Website Design and Development to awaken students' environmental awareness” <i>Website link:</i> https://greenecoeducation.weebly.com/ |
| 2021-Today | MSc Student in Environmental Catalysis for Pollution and Clean Energy production Hellenic Open University, Greece |

WORK EXPERIENCE

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| Jan 2013 - Today | <p>Research staff</p> <p>Design and Simulation of fabrication process procedures on semiconductor devices and circuits, thin film optical characterization techniques in semiconductor materials, as Spectroscopic Ellipsometry. Contribution in preparation of National and European proposals. Contribution in implementation of Quality Management Systems (ISO 9001). Foundation for Research and Technology - Hellas (FORTH-IESL), Microelectronics Research Group (MRG), Heraklion, Crete, Greece</p> |
| Mar 2009 -Nov 2012 | <p>Design Engineer- Freelance</p> <p>Fully proficient in CAD systems to generate new drawings, modify existing designs, provide electrical specifications and generally involved in projects throughout the whole production process.</p> |
| Nov 2008- Dec 2008 | <p>Research assistant - Environmental Geotechnology</p> <p>Magnetic, Resistivity and Electromagnetic survey at Ancient Nikopolis in Epirus. FORTH-IMS (Institute for Mediterranean Studies, Crete), Laboratory of Geophysical - Satellite Remote Sensing and Archaeo-environment.</p> |
| Mar 2008 - Aug 2008 | <p>Internship in Department of Environment</p> <p>Preparation of Environmental Impact Assessment for a wide range of projects in the public sector (renewable energy, water projects, road works etc.) O.A.N.A.K (Eastern Crete Development Organisation), Heraklion - Crete, Department of Environment.</p> |

SKILLS

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| Technical Knowledge | <ul style="list-style-type: none"> ✓ Experience in software programs simulating fabrication process procedures on semiconductor devices and circuits. ✓ Experience in designing photolithographic masks. ✓ Experience in modeling of lithographic processes. ✓ Experience in semiconductor device modelling. ✓ Experience in thin film optical characterization in semiconductor materials, Spectroscopic Ellipsometry technique. ✓ Experience of implementing Quality Management Systems (ISO 9001) |
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| Computer Skills | <ul style="list-style-type: none"> ✓ Flow Designer, Phoenix Software (Process Flow Visualization) ✓ CleWin, Phoenix Software (Photolithographic mask design) ✓ AutoCAD software (2D, 3D computer-aided design software) ✓ PTC Pro Engineer software (3D Design software) ✓ Inventor, CAD software (3D Mechanical design software) ✓ Matlab software (Data Analysis & Visualization,, Programming & Algorithm Development) ✓ Origin software (Data analysis and graphics software) ✓ GIS (ESRI -software program of Geographic Information System-) ✓ MS Windows, MS Office (Word, Excel, PowerPoint, Microsoft Visio) ✓ eQual suite software (ISO 9001 Document control system) |
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LANGUAGES

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| English | University of Westminster, EDEXCEL International, Level B2 |
| German | Goethe Institut, Zertifikat Deutsch, Level B2 |

PARTICIPATION IN RESEARCH PROJECTS

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| NANO-RF | COLLABORATIVE - CARBONBASED SMART SYSTEMS FOR WIRELESS APPLICATIONS// Επιστημονική συνεργασία στα πλαίσια του έργου NANO RF |
| DECHAD | DECHAD, ΑΝΑΠΤΥΞΗ ΚΑΙ ΧΑΡΑΚΤΗΡΙΣΜΟΣ ΠΡΟΗΓΜΕΝΩΝ ΘΕΡΜΙΚΑ ΑΓΩΓΙΜΩΝ ΣΥΓΚΟΛΛΗΤΙΚΩΝ ΒΑΣΙΣΜΕΝΩΝ ΣΕ ΝΑΝΟΣΩΛΗΝΕΣ ΑΝΘΡΑΚΑ ΚΑΙ ΓΡΑΦΕΝΙΟ ΓΙΑ ΕΝΣΩΜΑΤΩΣΗ ΣΕ ΔΙΑΤΑΞΕΙΣ// Σχεδιασμός & Μοντελοποίηση κατασκευαστικών διαδικασιών διατάξεων και κυκλωμάτων από ημιαγωγούς III-V και άνθρακα |
| EINSTEIN | EINSTEIN ΕΛΛΑΔΑ ΡΩΣΙΑ ΔΙΜΕΡΗΣ & ΠΟΛΥΜΕΡΗΣ Ε&Τ ΣΥΝΕΡΓΑΣΙΑ, Πειραματικές και θεωρητικές μελέτες φυσικών ιδιοτήτων κβαντικών νανοηλεκτρονικών συστημάτων χαμηλών διαστάσεων// Σχεδιασμός και μοντελοποίηση διεργασιών κατασκευής νανόηλεκτρονικών διατάξεων |
| IREL40 | IREL40 H2020-ECSEL-2019-1-IA - INTELLIGENT RELIABILITY 4.0-iREL4.0// Συμβολή στην ανάπτυξη φωτονικών και φωτοακουστικών συστημάτων με τη χρήση παλμικών ή συνεχών πηγών |

RADAR

PANTAP - ΕΤΕΡΟΓΕΝΗ ΤΡΙΣΔΙΑΣΤΑΤΗ ΟΛΟΚΛΗΡΩΣΗ ΜΕ ΧΡΗΣΗ ΡΗΞΙΚΕΛΕΥΘΩΝ ΝΑΝΟΤΕΧΝΟΛΟΓΙΩΝ ΓΙΑ ΤΗ ΝΕΑ ΓΕΝΙΑ ΜΙΚΡΟΚΥΜΑΤΙΚΩΝ ΠΟΜΠΟΔΕΚΤΩΝ ΙΣΧΥΟΣ//
Σχεδιασμός και μοντελοποίηση διεργασιών κατασκευής νανοηλεκτρονικών διατάξεων

PUBLICATIONS

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| <p>Published work</p> | <p>Long-term stability of transparent n/p ZnO homojunctions grown by rf-sputtering at room-temperature E. Aperathitis, V. Kampylafka, A. Kostopoulos, M. Modreanu, M. Schmidt, E. Gagaoudakis, K. Tsagaraki, V. Kontomitrou, G. Konstantinidis, G. Deligeorgis, G. Kiriakidis, Journal of Materiomics, Volume 5, Issue 3, September 2019, Pages 428-435, DOI: 10.1016/j.jmat.2019.02.006</p> <p>SU-8 microneedles based dry electrodes for Electroencephalogram G. Stavriniadis, K. Michelakis, V. Kontomitrou, G. Giannakakis, M. Sevrisianos, G. Sevrisianos, N. Chaniotakis, Y. Alifragis and G. Konstantinidis, Microelectronic Engineering, Volume 159, 15 June 2016, Pages 114-120, DOI: 10.1016/j.mee.2016.02.062</p> |
| <p>Presentations at International Conferences</p> | <p>Sputtered ZnO nanostructure homojunctions fabricated on room temperature pre-patterned substrates G. Deligeorgis, V. Kampylafka, A. Kostopoulos, M. Modreanu, M. Schmidt, E. Gagaoudakis, K. Tsagaraki, V. Kontomitrou, G. Konstantinidis, G. Kiriakidis, E. Aperathitis, 45th International Conference on Micro & Nano Engineering (MNE 2019), 23-26, September 2019, Rhodes Greece</p> <p>Functional metal oxides for smart and energy autonomous windows V. Kampylafka, I. Kortidis, A. Kostopoulos, K. Tsagaraki, V. Kontomitrou, G. Konstantinidis, G. Deligeorgis, E. Gagaoudakis, G. Michail, G. Kiriakidis, M. Modreanu, M. Schmidt, E. Aperathitis, Silver Jubilee Assembly of Advanced Materials Congress, 24-27 March 2019, Stockholm, Sweden</p> |
| <p>Presentations at National Conferences</p> | <p>Airborne Microbial Concentrations and PM10 Levels in Air Conditioned Offices V. Kontomitrou, A. Maragkou, M. Lazaridis, M. Vrachopoulos, and E. Katsivela, E-Proceedings of the European Aerosol Conference, 2008 (EAC 2008), Thessaloniki, Greece, Abstract T02A113P</p> |

SCHOLARSHIPS

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| 2008 | <p data-bbox="644 232 1362 268">Title: Natural Systems for Wastewater treatment</p> <p data-bbox="628 282 1420 389">Technological Educational Institute of Crete, Department of Environmental and Natural Resources Engineering, Chania, Greece, ΕΠΕΑΕΚ II, 2008</p> |
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