

Δημήτριος Γουστουρίδης

Σημερινή Θέση	Αναπληρωτής Καθηγητής σε θέση με γνωστικό αντικείμενο « Μικροσυστήματα, αισθητήρια και Ηλεκτρονικά κυκλώματα προσαρμογής και ανάγνωσης » Τμήμα Ηλεκτρολόγων και Ηλεκτρονικών Μηχανικών Πανεπιστήμιο Δυτικής Αττικής
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Επαγγελματική Εμπειρία	<ul style="list-style-type: none"> • 11/2010-σήμερα: Αναπληρωτής Καθηγητής, Τμήμα Ηλεκτρολόγων και Ηλεκτρονικών Μηχανικών του Πανεπιστημίου Δυτικής Αττικής (πρώην τμήμα Ηλεκτρονικών Μηχανικών ΤΕ, ΑΕΙ Πειραιά ΤΤ) • 2008 – 2010: Συνιδρυτής της spin-off εταιρίας ThetaMetrisis • 2004 – 2010: Εργαστηριακός Συνεργάτης, Τμήμα Ηλεκτρονικών Μηχανικών, ΤΕΙ Πειραιά • 2000 – 2003: Εργαστηριακός Συνεργάτης, Τμήμα Ηλεκτρονικών Μηχανικών, ΤΕΙ Αθηνών • 2007 – 2010: Συνεργαζόμενος ερευνητής (με σύμβαση έργου), Ινστιτούτο Μικροηλεκτρονικής, ΕΚΕΦΕ «Δημόκριτος» • 2003 – 2007: Συνεργαζόμενος ερευνητής (με υποτροφία – post Doctor), Ινστιτούτο Μικροηλεκτρονικής, ΕΚΕΦΕ «Δημόκριτος» • 1997 – 2003: Συνεργαζόμενος ερευνητής (με σύμβαση έργου), Ινστιτούτο Μικροηλεκτρονικής, ΕΚΕΦΕ «Δημόκριτος» • 1998 – 2000: Military Service as Second Lieutenant reservist
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Ερευνητικά Ενδιαφέροντα	<ul style="list-style-type: none"> • Αισθητήρες και κυκλώματα διασύνδεσης τους • Αναλογικά και μικτά αναλογικά κυκλώματα. • Μικρομηχανική, MEMS • Μετρολογία αισθητήρων
Ερευνητικά Προγράμματα	<ul style="list-style-type: none"> • ΑΡΧΙΜΗΔΗΣ, Τ1ΕΔΚ-00924, «οπτικό σύστημα για το γρήγορο & ακριβή Χαρακτηρισμό της ποιότητας Διαδικασιών & εξαρτημάτων βιομηχανικής παραγωγής». ΔΡΑΣΗ ΕΘΝΙΚΗΣ ΕΜΒΕΛΕΙΑΣ: «ΕΡΕΥΝΩ-ΔΗΜΙΟΥΡΓΩ-ΚΑΙΝΟΤΟΜΩ», ΑΝΤΑΓΩΝΙΣΤΙΚΟΤΗΤΑ, ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑ & ΚΑΙΝΟΤΟΜΙΑ (ΕΠΑνεΚ). (Έναρξη Μάιος 2018). • ΜΙΚΡΟΔΙΑΓΝΩΣΗ, Τ1ΕΔΚ-00101, «Βιοαναλυτικό ΜΙΚΡΟσύστημα για τη γρήγορη και επιτόπια ΔΙΑΓΝΩΣΗ της σήψης». ΔΡΑΣΗ ΕΘΝΙΚΗΣ ΕΜΒΕΛΕΙΑΣ: «ΕΡΕΥΝΩ-ΔΗΜΙΟΥΡΓΩ-ΚΑΙΝΟΤΟΜΩ», ΑΝΤΑΓΩΝΙΣΤΙΚΟΤΗΤΑ, ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑ & ΚΑΙΝΟΤΟΜΙΑ (ΕΠΑνεΚ). (Έναρξη Μάιος 2018)

- **IntelligentLogger, T1ΕΔΚ-01359**, «Ολοκληρωμένο Σύστημα Παρακολούθησης Κόστους Λειτουργίας και Συντήρησης Στόλου Ετερόκλιτου Στόλου Οχημάτων Βαρέως τύπου Χρησιμοποιώντας Αυτοματοποιημένες διαδικασίες συλλογής δεδομένων και Έξυπνες τεχνικές Πρόγνωσης». ΔΡΑΣΗ ΕΘΝΙΚΗΣ ΕΜΒΕΛΕΙΑΣ: «ΕΡΕΥΝΩ-ΔΗΜΙΟΥΡΓΩ-ΚΑΙΝΟΤΟΜΩ», ΑΝΤΑΓΩΝΙΣΤΙΚΟΤΗΤΑ, ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑ & ΚΑΙΝΟΤΟΜΙΑ (ΕΠΑΝΕΚ). (Έναρξη Αύγουστος 2018).
- **EtextWeld, H2020-MSCA-RISE-2014**, Grant Agreement Number: 644268 (1/2015 – 6/2019). Coordination Action for “Welding of E-Textiles for Interactive Clothing”.
- **FOODSNIFFER, FP7-ICT 318319**, «FOOD Safety at the point-of-Need via monolithic spectroscopic chip identifying harmful substances in fresh produce». **2012 – 2015**, Institute of Microelectronics, NCSR “Demokritos”.
- **SAVELEC, FP7-SEC-2011.1.4-2**, «Safe control of non cooperative vehicles through electromagnetic means». **2013 – 2016**, Department of Electronic Engineering, Piraeus University of Applied Sciences.
- **SENS-ERA, FP7-INCO-2011-6.1**, «Strengthening sensor research links between the Georgian Technical University and the European Research Area». Coordinator: Georgian Technical University. ERA WIDE –selected for funding 8/2011.
- **EU project Pythia, FP7-ICT-224030**, «Monolithically integrated interferometric biochips for label-free early detection of human diseases », **2008 – 20011**, Institute of Microelectronics, NCSR “Demokritos”.
- **EU Micro2DNA, FP6-IST-4-027333-STP**, «Integrated polymer-base microfluidic micro system for DNA extraction, amplification, and silicon-based detection», **2006 – 2009**, Institute of Microelectronics, NCSR “Demokritos”.
- **EU project FRACTURE, IST – 2000 – 26014**, «Nanoelectronics Devices and Fault – Tolerant Architectures», **2001 – 2003**, Institute of Microelectronics, NCSR “Demokritos”
- **Cooperative Research Contracts, BRST985513**, «Corporate research for the development of a reliable tyre pressure monitoring system», **1999 – 2001**, Institute of Microelectronics, NCSR “Demokritos”.
- **EU project RAPID, ESPRIT Long Term Search – 23481**, «Redistribution and activation phenomena in integrated circuit and device manufacturing», **1997 – 2000**, Institute of Microelectronics, NCSR “Demokritos”.
- **EU project CASE, ESPRIT COPERNICUS – CP96-136**, «Capacitive Silicon Sensors for Biomedical Applications», **1996 – 1998**, Institute of Microelectronics, NCSR “Demokritos”.
- **EU project MICROMEDES, ESPRIT – 8902**, «Modular Microsystem for Controlled Medical Drug Release», **1993 – 1997**, Institute of Microelectronics, NCSR “Demokritos”
- **GSRT project Greece-Italy Bilateral Collaboration**, «Fabrication and characterization of an array of transparent conductive thin film polymeric composite as multiparametric sensitive layers for a new e-nose, **2006 – 2008**, Institute of Microelectronics, NCSR “Demokritos”. Coordinator.
- **GSRT project Greece-France Bilateral Collaboration**, «Study and fabrication of a diphasic micro-cooler (DMC) using thermal integrated sensors (flow, pressure and temperature)», **2006 – 2008**, Institute of Microelectronics, NCSR “Demokritos”.
- **GSRT project PENED 99**, «Development of Humidity Sensors», **1999 – 2001**, Institute of Microelectronics, NCSR “Demokritos”.
- **GSRT project PENED 95**, «Development of Silicon Sensors with Surface Micromechanical Techniques», **1996 – 1998**, Institute of Microelectronics, NCSR “Demokritos”.
- **Greek Ministry of Education project, Archimides II**, «Development of an electromechanical device for controlling of physical parameters by combining microelectronics and PCB technology», **2005 – 2007**, Department of Electronics, Technological Institution of Athens.
- **Greek Ministry of Education project, Archimides I**, « Χαρακτηρισμός υλικών και βελτιστοποίηση διεργασιών για κατασκευή νανοδιατάξεων », **2003 – 2006**, Department of Electronics, Technological Institution of Athens.
- **Greek Ministry of Education project, Archimides I**, « Παρακολούθηση και καταγραφή της αλκοολικής ζύμωσης για την παραγωγή οίνου σε πραγματικό χρόνο (on-line) με

χρήση ολοκληρωμένων αισθητήρων πίεσης », **2003 – 2006**, Department of Electronics, Technological Institution of Athens.

- **Industrial Project (Funded from Remon Medical Inc.)**, for Development of Implantable Pressure Sensors for Biomedical Applications, **2000 – 2003**, Institute of Microelectronics, NCSR “Demokritos”.

Άλλες Επιστημονικές δραστηριότητες

- Program committee member of Eurosensor XXV conference 2011 (Athens, Greece, 09/2011).
- Program committee member of Micro and Nano Engineering (MNE) conference 2008 (Athens, Greece, 09/2008).
- Κριτής στα επιστημονικά περιοδικά: Microelectronic Engineering (Elsevier), Sensors and Actuators A. Physical (Elsevier), Superlattices and Microstructures (Elsevier).

Επιστημονικές Δημοσιεύσεις

- Διεθνή διπλώματα ευρεσιτεχνίας: **1**
- Εθνικά διπλώματα ευρεσιτεχνίας: **3**
- Διεθνή περιοδικά: **76**
- Διεθνή συνέδρια: **66**
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- Εθνικά συνέδρια: **10**
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Διπλώματα Ευρεσιτεχνίας

Διεθνή:

- U.S6,704,185 B2, Israel 15177 “Capacitive Pressure Responsive Devices And Their Fabrication” International Patent application (extebded to EPO countries appl. no. EP20010904253)

Εθνικά:

- GR1004286 “A Capacitive Type Chemical-Selective Sensor And A Method To Fabricate Same”
- GR1005410 “A Method to Deposit Multitude Polymer Materials for Chemically Sensitive Arrays”
- GR108698 “Optical sensor based on three-dimensional micropatterned layer of transparent material for the simultaneous label-free monitoring of multiple (bio)reactions with white light reflectance spectroscopy”

Δημοσιεύσεις σε Διεθνή Περιοδικά

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