

ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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ΤΙΤΛΟΙ ΣΠΟΥΔΩΝ

- 1966 Απολυτήριο Γυμνασίου από την Ιωνίδειο Πρότυπο Σχολή Πειραιά
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- 1975 Μεταπτυχιακό Ενδεικτικό στην Ηλεκτρονική και Ραδ/λογία του ΕΚΠΑ
- 1976 Μεταπτυχιακό Ενδεικτικό στον Ηλεκτρονικό Αυτοματισμό του ΕΚΠΑ
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ΞΕΝΕΣ ΓΛΩΣΣΕΣ

Αγγλικά

ΤΟΜΕΙΣ ΕΠΙΣΤΗΜΟΝΙΚΗΣ ΔΡΑΣΤΗΡΙΟΤΗΤΑΣ

1. Φυσική της Ατμόσφαιρας, Φυσική του Ατμοσφαιρικού Οριακού Στρώματος
2. Συστήματα κυκλοφορίας (θερμικά και τοπογραφικά παραγόμενα) αερίων μαζών, μηχανισμοί διάχυσης και μεταφοράς αερίων ρύπων
3. Αλληλεπίδραση ατμόσφαιρας-θάλασσης, θαλάσσιο Ατμοσφ. Οριακό Στρώμα
4. Ατμοσφαιρική ρύπανση, αστικό περιβάλλον, δια-συνοριακή αέρια ρύπανση
5. Ποιότητα αέρα εσωτερικού περιβάλλοντος, Φυσική κτιρίου
6. Πεδίο ροής πάνω από έντονο ανάγλυφο και πίσω από ανεμογενήτριες
7. Ανάπτυξη και βελτίωση συστημάτων και τεχνικών μέτρησης, άμεσα και από απόσταση, βασικών περιβαλλοντικών και ατμοσφαιρικών παραμέτρων
8. Επίδραση της ατμοσφαιρικής τύρβης στη διάδοση μικροκυμάτων

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ΕΥΚΠΑΙΔΕΥΤΙΚΗ ΚΑΙ ΕΡΕΥΝΗΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

1. Αυτοδύναμη διδασκαλία μαθημάτων σε προπτυχιακό και μεταπτυχιακό επίπεδο από το 1974 σε διάφορα Τμήματα του Πανεπιστημίου Αθηνών καθώς και άλλα Πανεπιστήμια του εσωτερικού και εξωτερικού, με αντικείμενα των μαθημάτων τους τομείς που αναφέρονται παραπάνω.
2. Καθοδήγηση ένδεκα διδακτορικών διατριβών, εκ των οποίων οι οκτώ έχουν ολοκληρωθεί, ουσιαστική συμμετοχή στην πραγματοποίηση δύο ακόμη διδακτορικών διατριβών που έχουν ολοκληρωθεί και συμμετοχή ως μέλος της τριμελούς εισηγητικής επιτροπής σε περισσότερες από δέκα πέντε διδακτορικές διατριβές. Επίβλεψη διπλωματικών εργασιών περισσότερων από πενήντα προπτυχιακών και τριάντα μεταπτυχιακών φοιτητών του Τμήματος Φυσικής.
3. Συμμετοχή σε 81 ερευνητικά προγράμματα διεθνή, ευρωπαϊκά και εθνικά, στα 34 από τα οποία είμαι/ήμουν επιστημονικός υπεύθυνος. Συνεργασία με περισσότερα από 40 Πανεπιστήμια και Ερευνητικά Ινστιτούτα του εξωτερικού και συμμετοχή στο Ευρωπαϊκό Θεματικό Κέντρο για την Ποιότητα του Αέρα (ETC/AQ) της Ευρωπαϊκής Υπηρεσίας Περιβάλλοντος.
4. Προσκεκλημένος ομιλητής σε 15 διεθνή Συνέδρια και σε 20 Workshops, Seminars, Εθνικά Συνέδρια και Ημερίδες. 71 ομιλίες σε Διεθνή Συνέδρια.
5. Εμπειρογνώμων και αξιολογητής ερευνητικών προγραμμάτων σε Εθνικό και Ευρωπαϊκό επίπεδο, κριτής σε διεθνή επιστημονικά περιοδικά. Πρόεδρος και μέλος επιτροπών επιστημονικών Συνεδρίων, Editor and Co-editor πρακτικών διεθνών Συνεδρίων, Workshops και Σεμιναρίων, εκπροσώπηση φορέων κ.α.
6. Επισκέψεις σε διάφορα Πανεπιστήμια και Ερευνητικά Ινστιτούτα (Washington D.C., Boulder, Colorado, Los Angeles, California) στο πλαίσιο του “United States Information Agency - International Visitor Programme” (1996) και “Fulbright Programme”. Επισκέψεις στο Naval Postgraduate School (NPS), CA, USA, στο πλαίσιο ερευνητικής συνεργασίας τα καλοκαίρια 2001-2003, 2007-2008 (6 μήνες εκπαιδευτική άδεια) και το 2012 στο πλαίσιο των προγραμμάτων CBLAST-Low και DYNAMO.
7. Περισσότερες από 1.750 ετεροαναφορές για δημοσιεύσεις σε διεθνή επιστημονικά περιοδικά, εξαιρουμένων των αυτο-αναφορών.

ΔΙΟΙΚΗΤΙΚΗ ΚΑΙ ΣΧΕΤΙΚΗ ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

1. Πρόεδρος του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών (δύο θητείες, 2008-2012)
2. Αντιπρόεδρος του Ειδικού Επταμελούς Οργάνου της Επιτροπής Ερευνών του Πανεπιστημίου Αθηνών (2010-2013), μέλος του ιδίου οργάνου (2007-2010)
3. Διευθυντής του Τομέα Φυσικής Εφαρμογών του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών (2000-2007)
4. Αντιπρόεδρος του Διοικητικού Συμβουλίου του Κέντρου Ανανεώσιμων Πηγών Ενέργειας (ΚΑΠΕ) την περίοδο 1997-2000
5. Διευθυντής του Εργαστηρίου Μετεωρολογίας του Τομέα Φυσικής Εφαρμογών του Τμήματος Φυσικής του Πανεπιστημίου Αθηνών (1997-2000)
6. Συμμετοχή στο Ευρωπαϊκό Θεματικό Κέντρο για την Ποιότητα του Αέρα (ETC/AQ) της Ευρωπαϊκής Υπηρεσίας Περιβάλλοντος (1996-2000)
7. Υπεύθυνος του προγράμματος Μεταπτυχιακών Σπουδών Φυσικής Περιβάλλοντος (1998-2002) και Πρακτικής άσκησης φοιτητών (2002-2011) του Τμήματος Φυσικής
8. Μέλος του Επιστημονικού Συμβουλίου του Διεθνούς Οργανισμού INTAS (International Association for the Promotion of Cooperation with Scientists from the Independent States of the former Soviet Union) για την περίοδο 1996-1999
9. Πρόεδρος του Διοικητικού Συμβουλίου της Ένωσης Ελλήνων Φυσικών (ΕΕΦ) την περίοδο 1994-1996. Μέλος του Διοικητικού Συμβουλίου της Ε.Ε.Φ. την περίοδο 1988-1991 και 1997-1999 (μέλος της Ε.Ε.Φ. από 1985)
10. Ειδικός Σύμβουλος στη ΔΕΗ, παράλληλα με τα καθήκοντα μου (άδεια κατοχής β' θέσης) στο Πανεπιστήμιο Αθηνών (1985-1986)
11. Κριτής σε 16 διεθνή επιστημονικά περιοδικά
12. Μέλος της Συγκλήτου Πανεπιστημίου Αθηνών (2006-2007 και 2008-2012)
13. Μέλος Επιτροπών και Ομάδων Εργασίας του Τμήματος Φυσικής και του Πανεπιστημίου Αθηνών. Συγκεκριμένα, μέλος Επιτροπών του ΕΚΠΑ: Διεθνών Σχέσεων (1991-1993, 2008-2010), Συντονιστικής Επιτροπής Μεταπ/κών Σπουδών (1997-2001) και Εσωτερικού Κανονισμού/Οργανισμού (2006-2009, 2013). Μέλος Συγκλήτου (2006-2007, 2008-2012) του ΕΚΠΑ. Μέλος Επιτροπών Τμήματος: Αυτοαξιολόγησης (2001-2007, Πρόεδρος), Προγραμματισμού (2000-2003) και μέλος της Γενικής Συνέλευσης του Τμήματος Φυσικής για πολλά έτη.

ΔΗΜΟΣΙΕΥΜΑΤΑ

ΔΙΕΘΝΗ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ

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WORKSHOPS AND MEETINGS

(Presentations by C.G.Helmis are noted with *)

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5. Varotsos C., **Helmis C.G.**, Petrakis M., Tombrou M. and Asimakopoulos D.N., 1992: "On the vertical ozone structure over Thessaloniki area during sea breeze days", 7th EUMAC Workshop, Porto Carras, Macedonia, Greece, September 28 - October 2.
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12. **Helmis C.G.**, 1997: "EUROAIRNET data quality requirements", 2nd European Workshop on Air Quality Monitoring and Assessment, 22-23 September, Brussels. (*)
13. **Helmis C.G.**, 1998: "Renewable Energy Plans for Greek Islands-The case of Arki Island", European Seminar on Renewable Energy Islands, Tranebjerg, Samsø, Denmark, 29-30 June (*)
14. **Helmis G.G.**, 1998: "Islands in the Sun", part of the 2nd ISES-Europe Solar Congress, Eurosun 98, 14-17 September, Portoroz, Slovenia. (*)
15. **Helmis C.G.**, 1998: "QA/QC activities under EUROAIRNET", 3rd EIONET Workshop on AQ Monitoring and Assessment, 12-13 October, Copenhagen. (*)
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17. **Helmis C.G.**, 2007: "Evaluation of remote measurements for modeling studies", ECATS Workshop on Coupling of models of different scales, Athens, Greece, 13-14 June (*).
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23. **Helmis, C.G.**, 2009: "Background Air Pollution levels and Meteorology”, Workshop on Engines and near field modelling, Athens, Greece, 12-13 January, (*)
 24. **Helmis, C.G.**, 2009: “Microclimate in complex terrain and urban environment”, Summer School on “Climate, Climate change, Impacts”, Athens, Greece, 8-15 July (*)
 25. Bossioli E., Tombrou M., **C. Helmis**, Sgouros G., Kurtenbach R., Kl. Schäfer, 2009: “Study of aircraft plume processes in mesoscale models”, Workshop on ECATS Progress, Schliersee, Munich, Germany, 29 September - 1 October (*)
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 27. **C. G. Helmis**, G. Sgouros, K. Schäfer, S. Emeis, M. Tombrou, A. Dandou and O. Spaier 2009: “A comparative study of the evolution of Mixing Height based on SODAR-RASS and Ceilometer data and model simulation estimates”, Workshop on ECATS Progress, Schliersee, Munich, Germany, 29 September - 1 October (*)
 28. Schäfer, K., S. Emeis, Carsten J., M. Hoffmann, Ch. Heyder, F. Haas, **C. Helmis**, Sgouros G., Kurtenbach R., A. Niedojadlo, P. Wiesen, M. Bennett, Simon Ch., A. Graham E. Anamaterou, M.O’Connor 2009: “Airport air quality data bank for modelling studies ”, Workshop on ECATS Progress, Schliersee, Munich, Germany, 29 September - 1 October
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ΔΗΜΟΣΙΕΥΜΑΤΑ ΣΕ ΒΙΒΛΙΑ ΞΕΝΩΝ ΕΚΔΟΤΙΚΩΝ ΟΙΚΩΝ

1. Participation with an article on “Quality Assurance and Quality Control of Air Quality Measurements” in the special edition “Urban Air Pollution- European Aspects” edited by Jes Fenger, Ole Hertel and Finn Palmgrem 1988, Kluwer Academic Publishers, pp 482.
2. Participation with an article on “Mini Acoustic Sounding, a powerful tool for ABL applications-recent advances” in the special edition “Acoustic Remote Sensing Applications” edited by S.P. Singal, 1997 Narossa Publishing House, pp 850.
3. Participation with an article on “Atmospheric Acoustic Sounding”, in the special edition “The determination of Geophysical Parameters from space” edited by N.E. Fancey, I.D. Gardiner and R.A. Vaughan, 1996, SUSSP Publications and Institute of Physics Publishing, pp 364.
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