

## Αλκιβιάδης Καλαμπόκης



### Διεύθυνση Εργασίας

Ινστιτούτο Ωκεανογραφίας,  
Ελληνικό Κέντρο Θαλασσιών Ερευνών  
Θαλασσόκοσμος, Γούρνες Πεδιάδος  
Ηράκλειο, ΤΘ 2214,  
GR 71003, Ελλάδα  
Τηλ: +30 2810337749  
e-mail: [alkiviadis.kalampokis@hcmr.gr](mailto:alkiviadis.kalampokis@hcmr.gr)

### Σπουδές

- 1994: Πτυχίο Φυσικής, Τμήμα Φυσικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης
- 2002: Διδακτορικό Δίπλωμα στην Υπολογιστική Φυσική, Τμήμα Φυσικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

### Επαγγελματική Εμπειρία

- 2002 - 2007: Μεταδιδάκτορας Ερευνητής, Τμήμα Φυσικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.
- 2007 - 2009: Λέκτορας βάση Π.Δ. 407, Τμήμα Πληροφορικής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.
- 2007 - 2011: Λέκτορας βάση Π.Δ. 407, Τμήμα Ωκεανογραφίας και Θαλάσσιων Βιοεπιστημών, Πανεπιστήμιο Αιγαίου.
- 2010 - 2012: Μεταδιδάκτορας Ερευνητής, Τμήμα Ωκεανογραφίας και Θαλάσσιων Βιοεπιστημών, Πανεπιστήμιο Αιγαίου.
- 2013 - 2015: Μεταδιδάκτορας Ερευνητής, Department of Science and Technology, "Parthenope" University of Naples, Italy.
- 2015 - now: Μεταδιδάκτορας Ερευνητής, Ελληνικό Κέντρο Θαλασσιών Ερευνών.

### Scientific Interests

- Λανγκραντζιανές διεργασίες και όργανα μέτρησης
- Παράκτια Υψίσυχνα Ρανταρ.
- Βαθμονόμηση ωκεανογραφικών οργάνων
- Επιχειρησιακή ωκεανογραφία

- Πολύπλοκα συστήματα

### **Συμμετοχή σε ερευνητικά προγράμματα**

- *CLAIM (Cleaning Litter by developing and Applying Innovative Methods in european seas)* , HCMR
- *FIXO3 – Fixed Point Open Observatories Network*, HCMR
- *TOSCA (Tracking Oil Spills and Coastal Awareness Network)*, University of the Aegean
- *Poseidon II*, University of the Aegean
- *Medecos*, University of the Aegean
- *Interconi: Interface controlled nucleation and crystallization*. (Research Committee of the Aristotle University of Thessaloniki)
- *Chrysalides: Software Development of a Virtual Laboratory for Optics and Electromagnetism*. (Research Committee of the Aristotle University of Thessaloniki)
- *Dysonet: Human behavior through dynamics of complex social networks: An interdisciplinary approach* (Research Committee of the Aristotle University of Thessaloniki)
- *Pythagoras: Computational study of the development of the Language, using computational methods, emphasizing on the Greek language*. (Research Committee of the Aristotle University of Thessaloniki)
- *Kinetic models for Drug absorption in the Gastrointestinal tract. Development and study of the dynamics and applications*, University of Athens
- *Copernicus: Computational modeling of diffusion in amorphous media*, Aristotle University of Thessaloniki
- *Cooperation of Universities of Greece and Bulgaria: Education, exchanges, development of computational infrastructure* Aristotle University of Thessaloniki

### **Δημοσιεύσεις σε επιστημονικά περιοδικά με κριτές**

- C. Kotsavasiloglou, A. Kalampokis, P. Argyrakis and S. Baloyannis, *A Model for a Neural Network Structure and Signal Transmission*, Phys. Rev. E , **56**, 4489 (1997)
- A. Kalampokis, E. Hatzikraniotis, and K.M. Paraskevopoulos, *Study of the Deintercalation Process in Bi<sub>2</sub>Se<sub>3</sub> Single Crystals Treated with Hydrazine*, Mat.Res.Bul. **33**, 1359 (1998)
- A. Kalampokis, P. Argyrakis and P. Macheras, *Heterogeneous Tube Model for the study of small intestinal transit flow*, Pharm. Res., **16**, 87 (1999)
- A. Kalampokis, P. Argyrakis and P. Macheras, *A Heterogeneous Tube Model for the study of intestinal drug absorption based on probabilistic concepts*, Pharm. Res., **16**, 1764 (1999)
- A. Kalampokis, C. Kotsavasiloglou, P. Argyrakis and S. Baloyannis, *Robustness in biological neural networks*, Physica A, **317**, 581 (2003)
- K. Kosmidis, A. Kalampokis and P. Argyrakis, *Statistical mechanical approach to human language*, Physica A, **366**, 495 - 502 (2006)

- K. Kosmidis, A. Kalampokis and P. Argyrakis, *Language time series analysis*, Physica A, **370**, 808-816 (2006).
- A. Kalampokis, K. Kosmidis and P. Argyrakis, *Evolution of vocabulary on scale-free and random networks*, Physica A, **379**, 665-671 (2007)
- C. Kotsavasiloglou, A. Kalampokis, P. Argyrakis and S. Baloyannis, *Modelling signal transmission and robustness in biological neural networks*, International Journal of Biology and Biomedical Engineering, **2**, vol1, 41-45 (2007)
- A. P. Masucci, A. Kalampokis, V. M. Eguíluz, and E. Hernández-García, *Extracting directed information flow networks: An application to genetics and semantics*, Phys. Rev. E **83**, 026103 (2011)
- A. P. Masucci, A. Kalampokis, V. M. Eguíluz, and E. Hernández-García, *Wikipedia information flow analysis reveals the scale-free architecture of the Semantic Space*, PLoS ONE **6**(2): e17333 (2011)
- Z. Kokkini, M. Potiris, A. Kalampokis, V. Zervakis, *HF Radar observations of the Dardanelles outflow current in North Eastern Aegean using validated WERA HF radar data*, Mediterranean Marine Science, vol. No.4 (2014)
- L Bellomo, A Griffa, S Cosoli, P Falco, R Gerin, I Iermano, A Kalampokis, Z Kokkini, A Lana, M G Magaldi, I Mamoutos, C Mantovani, J Marmain, E Potiris, J M Sayol, Y Barbin, M Berta, M Borghini, A Bussani, L Corgnati, Q Dagneaux, J Gaggelli, P Guterman, D Mallarino, A Mazzoldi, A Molcard, A Orfila, P-M Poulain, C Quentin, J Tintoré, M Uttieri, A Vetrano, E Zambianchi, V Zervakis, *Toward an integrated HF radar network in the Mediterranean Sea to improve search and rescue and oil spill response: the TOSCA project experience*, Journal of Operational Oceanography, vol. 8, 95-107 (2015)
- P. Falco, B. Buonocore, D. Cianelli, L. De Luca, A. Giordano, I. Iermano, A. Kalampokis, S. Saviano, M. Uttieri, G. Zambardino, and E. Zambianchi, *Dynamics and sea state in the Gulf of Naples: potential use of high-frequency radar data in an operational oceanographic context*. Journal of Operational Oceanography, 9(sup1), pp.s33-s45, 2016.
- A. Kalampokis, M. Uttieri, P.M. Poulain, E.Zambianchi, *Validation of HF radar-derived currents in the Gulf of Naples with Lagrangian data*, IEEE Geoscience and Remote Sensing Letters, 13(10), pp.1452-1456.
- Potiris, E., Frangoulis, C., Kalampokis, A., Ntoumas, M., Pettas, M., Petihakis, G. and Zervakis, V., 2018. *Acoustic Doppler current profiler observations of migration patterns of zooplankton in the Cretan Sea*. Ocean Science, 14(5).
- Petihakis, G., Perivoliotis, L., Korres, G., Ballas, D., Frangoulis, C., Pagonis, P., Ntoumas, M., Pettas, M., Chalkiopoulos, A., Sotiropoulou, M., Bekiari, M., Kalampokis, A., Ravdas, M., Bourma, E., Christodoulaki, S., Zacharioudaki, A., Kassis, D., Potiris, E., Triantafyllou, G., Tsiaras, K., Krasakopoulou, E., Velanas, S., and Zisis, N.: *An integrated open-coastal biogeochemistry, ecosystem and biodiversity observatory of the eastern Mediterranean – the Cretan Sea component of the POSEIDON system*, Ocean Sci., 14, 1223-1245, <https://doi.org/10.5194/os-14-1223-2018>, 2018.
- S. Saviano, M. Uttieri, A. Kalampokis and E. Zambianchi, *A year-long assessment of wave measurement retrieved from an HF radar network in the Gulf of Naples (Tyrrhenian Sea, Western Mediterranean Sea)* <https://doi.org/10.1080/1755876X.2019.1565853>

## Κεφάλαια σε βιβλία

- Masucci, A. Paolo, Alkiviadis Kalampokis, Victor M. Eguíluz, and Emilio Hernandez-Garcia. "Semantic Space as a Metapopulation System: Modelling

the Wikipedia Information Flow Network." *Towards a Theoretical Framework for Analyzing Complex Linguistic Networks* (2015): 133.