

George Galanis

Date of birth: 24 December 1967
Place of birth: Chania, Greece
Marital Status: Married with one child

Organization of primary employment

Naval Academy of Greece
Section of Mathematics
Hatzikyriakion, Piraeus, 18539, Greece
Phone: +302104581336
Cel: +306955081207
E-mail: ggalanis@snd.edu.gr, ggalanis@mg.uoa.gr, gngalanis@gmail.com

Title of primary employment

Associate Professor

also with:

- University of Athens, Department of Physics, Atmospheric Modeling and Weather Forecasting Group (Research Associate)
- US Naval Postgraduate School, Naval Ocean Analysis and Prediction Laboratory (Visiting Professor)

Degrees

- B.Sc., University of Athens, Department of Mathematics, 1990
- M.Sc., University of Athens, Department of Mathematics, 1991
- Ph.D., University of Athens, Department of Mathematics, 1995

Fields of Scientific and professional activities

- Mathematical modeling and applications to Environmental Physics and Renewable Energy
- Information Geometry and applications
- Statistical models for the optimization of simulation systems
- Wave modeling and marine meteorology
- Data assimilation
- Stochastic calculus and applications

Published work

Number of publications in scientific journals:	41
Number of publications in conference proceedings:	71
Citations:	250+
Member of PhD Reading Committees	6
Member of MSc Reading Committees	6
Participation in externally funded projects:	18

Selected Publications

1. X.G. Larsen, C. Kalogeri, G. Galanis and G. Kallos, A statistical methodology for the estimation of extreme wave conditions for offshore renewable applications, *Renewable Energy* (2015), pp. 205-218
2. G. Zodiatis, G. Galanis, A. Nikolaidis, C. Kalogeri, D. Hayes, G. Georgiou, P.C. Chu, and G. Kallos, Wave Energy Potential in the Eastern Mediterranean Levantine Basin. An integrated 10-year study *Renewable Energy*, *Renewable Energy*, 69 (2014), pp. 311-323
3. Ioannis Famelis, Georgios Galanis, Matthias Ehrhardt and Dimitrios Triantafyllou, Classical and Quasi-Newton methods for a Meteorological Parameters Prediction Boundary Value Problem, *Applied Mathematics & Information Sciences*, 8, No. 6, 2683-2693 (2014).
4. Christos Stathopoulos, Akrivi Kaperoni, George Galanis and George Kallos, Wind power prediction based on numerical and statistical Models, *J. Wind Eng. Ind. Aerodyn.* 112 (2013) 25-38.
5. George Galanis, Peter C. Chu, George Kallos, Yu-Heng Kuo and C.T.J. Dodson, Wave Height Characteristics in the North Atlantic Ocean: a new approach based on statistical and geometrical techniques, *Stoch Environ Res Risk Assess* (2012) 26:83-103.
6. Sophie Pelland, George Galanis and George Kallos, Solar and Photovoltaic forecasting through post-processing of the global environmental multiscale numerical weather prediction model, *Progress in Photovoltaics: Research and Applications* (2011), DOI: 10.1002/pip.1180.
7. G. Galanis, P.C. Chu and G. Kallos, Statistical post processes for the improvement of the results of numerical wave prediction models. A combination of Kolmogorov-Zurbenko and Kalman filters, *Journal of Operational Oceanography*, Vol 4 (1), 2011, pp. 23-31.
8. G. Galanis, G. Emmanouil, P.C. Chu and G. Kallos, A new methodology for the extension of the impact of data assimilation on ocean wave prediction, *Ocean Dynamics*, Volume 59, Issue3 (2009), pp. 523-535.
9. P. Louka, G. Galanis, N. Siebert, G. Kariniotakis, P. Katsafados, I. Pytharoulis, G. Kallos, Improvements in wind speed forecasts for wind power prediction purposes using Kalman filtering, *Journal of Wind Engineering & Industrial Aerodynamics* 96 (2008), pp. 2348-2362.
10. G. Galanis, T. G. Bhaskar and V. Lakshmikantham, Set differential equations in Fréchet spaces, *Journal of Applied Analysis*, 14 (2008), no. 1, 103-113.