



Europass Curriculum Vitae

Personal information

First name / Surname **Athanasios Fragkou**
Address 16 Stournara st, 383 34, Volos Geece
Telephone(s) 24210-83914 Mobile: 6947904713
Fax 2421030909
E-mail fthanos@uth.gr
Nationality Greek
Date of birth 31 August 1971
Gender Male

Work experience

Dates 1-10-2017 - today
Occupation or position held Laboratory Teaching Stuff
Main activities and responsibilities Teaching and Research
Name and address of employer University of Thessaly, Department of Civil Engineering, Volos

Dates 1-5-2006 to 30-9-2017
Occupation or position held Administrative Stuff
Main activities and responsibilities Transaction of Public Procurement
Name and address of employer University of Thessaly, Department of Procurement, Argonafon – Filellinon, Volos

Dates 1-2-2010 to 31-5-2010
Occupation or position held Scientific Stuff
Main activities and responsibilities Numerical Methods on Studying of Microflows (FP7 - **PEOPLE** (MARIE CURIE))
Name and address of employer University of Thessaly, Department of Civil Engineering, Volos

Dates 01-3-2006 to 31-12-2007
Occupation or position held Scientific Stuff
Main activities and responsibilities Time Series Analysis on Molecular Dynamics Simulations (Pythagoras)
Name and address of employer University of Thessaly, Department of Civil Engineering, Volos

Dates 1-11-2001 to 30-4-2006
Occupation or position held Administrative Stuff
Main activities and responsibilities Support of new informative systems
Name and address of employer University of Thessaly, Dept. Of Civil Engineering, Pedion Areos, Volos

Education and training

Dates March 2001
Title of qualification awarded Dergee
Principal subjects/occupational skills covered Mathematics

Name and type of organisation providing education and training	Aristotelian University of Thessaloniki																																								
Dates	April 2010																																								
Title of qualification awarded	Master of Science Dergee																																								
Principal subjects/occupational skills covered	Applied Mechanics and Systems Simulation/Time Series Analysis																																								
Name and type of organisation providing education and training	University of Thessaly																																								
Dates	April 2017																																								
Title of qualification awarded	Doctoral Diploma ““Identification and characterization of correlations in Dynamical Systems with advanced time series analysis methods”																																								
Principal subjects/occupational skills covered	Mathematical Applications on the Engineering Science																																								
Name and type of organisation providing education and training	University of Thessaly																																								
Mother tongue	Greek																																								
Other language																																									
Self-assessment <i>European level (*)</i>																																									
Language	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>English</td> <td>C1</td> <td>English</td> <td>C1</td> <td>English</td> <td>C1</td> <td>English</td> <td>C1</td> <td>English</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C1	English	C1	English	C1	English	C1	English	C1	English										
Understanding				Speaking				Writing																																	
Listening		Reading		Spoken interaction		Spoken production																																			
C1	English	C1	English	C1	English	C1	English	C1	English																																
Technical skills and competences	Working on Matlab software Very good knowledge on timeseries analysis software (TISEAN, CRP, RQS, VRA)																																								
Publications in Journals	<ol style="list-style-type: none"> 1. Karakasidis, T. E., Fragkou, A., & Liakopoulos, A. (2007). System dynamics revealed by recurrence quantification analysis: Application to molecular dynamics simulations. <i>Physical Review E</i>, 76(2), 021120. 2. Karakasidis, T. E., Liakopoulos, A., Fragkou, A., & Papanicolaou, P. (2009). Recurrence quantification analysis of temperature fluctuations in a horizontal round heated turbulent jet. <i>International Journal of Bifurcation and Chaos</i>, 19(08), 2487-2498. 3. Fragkou, A. D., Karakasidis, T. E., Sarris, I. E., & Liakopoulos, A. (2015). Spatiotemporal time series analysis methods for the study of turbulent magnetohydrodynamic channel flows. <i>Environmental Processes</i>, 2(1), 141-158. 4. Fragkou, A. D., Karakasidis, T. E., & Nathanail, E. (2018). Detection of traffic incidents using nonlinear time series analysis. <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i>, 28(6), 063108. 																																								
Publications in Conferences	<ol style="list-style-type: none"> 1 .“<i>Nonlinear Analysis of Nestos River Water Level Time Series</i>”, T. Karakasidis, A. Fragkou, A. Liakopoulos, PROTECTION AND RESTORATION OF THE ENVIRONMENT IX, Kefalonia 2008 																																								

1. *"Binary Lennard – Jones Fluids : A Look Through Time Series Analysis"* Theodoros Karakasidis, Athanasios Fragkou, Antonios Liakopoulos Volume 51, No1 (American Physical Society, March Meeting Baltimore 2006)
2. *"Recurrence Quantification Analysis of molecular dynamics simulation"*,
A. Fragkou, T. Karakasidis, A. Liakopoulos, 19th summer School/Conference in Non Linear Science and Chaos, Thessaloniki 2006
3. *"Recurrence Analysis of fluid molecular dynamics simulation"*,
T. Karakasidis, A. Fragkou, A. Liakopoulos (American Physical Society, 59th Annual Meeting of Division of Fluid Dynamics 2006)
4. *"Nonlinear methods for environmental time-series analysis and forecasting"*, T. Karakasidis, A. Fragkou, A. Liakopoulos, First Conference on Environmental Management, Engineering, Planning and Economics, JUNE 24-28, 2007, Skiathos, Greece
5. *"Applications of Recurrence Quantification in Nonlinear Time Series Analysis"*, T. Karakasidis, A. Fragkou, A. Liakopoulos, 20th Conference and Summer School in non Linear Dynamics and Complexity, Patra 2007
6. *"Application of Recurrence Quantification Analysis of Temperature Time Series of Horizontal Round Heated jets"*, T. Karakasidis, A. Fragkou, A. Liakopoulos, 2nd International Workshop on Recurrence Plots, Sienna 2007
7. *"Nonlinear time series analysis of Nestos river level"*, A. Fragkou, HYDROMEDON, Volos 11th and 12th of July, 2008
8. *"An Application of Recurrence Plots on a Turbulent Channel Flow Timeseries"*, T.E. Karakasidis, A. Fragkou, I.E. Sarris, A. Liakopoulos, ROH 2008, Kozani, 28th November, 2008
9. *"Recurrence Quantification Analysis of Nestos River Water Level Time Series"* T. E. Karakasidis, A. D. Fragkou, A. Liakopoulos, EYE EEDYP, Volos, 2009
10. *"Nonlinear correlations revealed by cross recurrence plot analysis: application in a turbulent jet"*, A.D. Fragkou, T.E. Karakasidis, P. Papanicolaou, A. Liakopoulos, 5th Chaotic Modeling and Simulation International Conference (CHAOS2012), June 12-15, 2012 Athens Greece
11. *"Spatiotemporal correlations in a turbulent hartmann flow"*, A. Fragkou, T. Karakasidis, I. Sarris, A. Liakopoulos, 12th International Conference "Protection & Restoration of the Environment - PRE12", Skiathos Island, 29 June- 4 July 2014