

CURRICULUM VITAE

PARADISOPOULOU PARTHENA

DATE OF BIRTH: 01/01/1974

PLACE OF BIRTH: THESSALONIKI – GREECE

NATIONALITY: HELLENIC

FAMILY STATUS: Married, 2 children

MAILING ADDRESS: Seismological Observatory
Prof. Vizoukidi 43 st.
54636 - THESSALONIKI
GREECE

HOME ADDRESS: Mihailidi-Venizelou, Themi
57001 - Thessaloniki

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EDUCATION

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| 2006 – Today: | Employee in Seismological centre of Aristotle University of Thessaloniki (AUTH) |
| 2004-2009: | Ph.D. in Seimology, Geology Department, School of Earth Sciences, Aristotle University of Thessaloniki |
| 2001- 2003: | MSc in Geophysics, Geology Department, School of Earth Sciences, Aristotle University of Thessaloniki |
| 1993-1999: | B. Sc. In Physics– University of Thessaloniki, Greece |

RESEARCH ACTIVITIES:

- Working on seismological centre of AUTH (Obligations: Analyse earthquakes performing scheduled duties, review of monthly earthquake bulletins, training of new analyst users, education and guided tours of schools and teachers).
- Research (Coulomb stress, microseismicity, earthquakes relocation, Fault plane solutions, statistical seismology)
- Teaching undergraduate students of Geophysics department (seismology labs, geophysics labs,

- mat lab labs, Information and Communication Technology (ICT))
- Ph. D. Thesis: Contribution to seismicity study of Greek region in association with Coulomb Stress Changes. Thessaloniki 2009.
- Msc dissertation: Microseismicity study of the broader Thessaloniki area. Thessaloniki 2003.
- Undergraduate dissertation on "Prediction of earthquakes in India ". Thessaloniki 1999.
- "Consequenses of reduction in the ozon layer and mesurament instruments". Thessaloniki 2000.
- "Application of Fiber Optics in Medicine". Thessaloniki 1997.
- "The use of the science of physics in the long jump". Thessaloniki 1996.

PARTICIPATIONS IN SCIENTIFIC MEETINGS-SEMINARS

- The European Seismological Commission 36th General Assemply, Malta 2018.
- 14th International Congress of the Geological Society of Greece, May 2016, Thessaloniki, Greece.
- 13th International Congress of the Geological Society of Greece, September 2013, Chania, Greece.
- European Geosciences Union (EGU), General Assembly 2012, Vienna, Austria, 22-27 April 2012.
- XIX Congress of the Carpathian Balkan Geological Association. 23-26 September 2010, Thessaloniki, Greece.
- 12th International Congress of the Geological Society of Greece, May 2010, Patra, Greece.
- 3rd Greek Conference on Earthquake Engineering and Engineering Seismology, 5-7 November 2008, Athens, Greece.
- The XXIV Conference of International Union of Geodesy and Geophysics (IUGG), 2-13 July 2007, Perugia, Italy.
- 11th International Congress of the Geological Society of Greece, April 2007, Athens, Greece.
- The 3rd International Conference on Continental Earthquakes (III ICCE), 12–14 July 2004, Beijing, China.
- 5th International Symposium on Eastern Mediterranean Geology, 14–20 April 2004, Thessaloniki, Greece.
- 10th International Congress of the Geological Society of Greece, 15–17 April 2004, Thessaloniki, Greece.
- 1st International Workshop on Earthquake Prediction, ESC Sub commission, 6–7 November 2003, Athens, Greece.
- The Lefkada earthquake: Effects on the natural and built environment, Technical Chamber of Greece, Thessaloniki, 13 October 2003.
- Protection of Thessaloniki against natural hazards-antiseismic/ flood-prenenting protection, Thessaloniki, Greece, February 2000.
- Quality inspection of the atmosphere, water and liquid waste materials (01/2000-03/2000).

PARTICIPATIONS IN RESEARCH PROJECTS

- Microsoft Cloud AI Research Challenge, June 2018

<https://www.microsoft.com/en-us/research/academic-program/microsoft-cloud-ai-research-challenge/>

- Scholar of PENED project funded by the General Secretariat of Research & Technology of Greece (Grant no. 03ΕΔ815 61585 23–09–05).
- 19 participations in research projects

PUBLICATIONS

- K. M. Leptokaropoulos, A. K. Adamaki, R. G. Roberts, C. G. Gkarlaouni, P. M. Paradisopoulou. Impact of magnitude uncertainties on seismic catalogue properties, *Geophysical Journal International*, Volume 213, Issue 2, 1 May 2018, Pages 940–951. <https://doi.org/10.1093/gji/ggy023>
- Paradisopoulou, P., Papadimitriou, E., & Mirek, J. (2016). Significant earthquakes near the city of Thessaloniki (Northern Greece) and probability distribution on faults. *Bulletin of the Geological Society of Greece*, 50(3), 1389-1398. doi:<http://dx.doi.org/10.12681/bgsg.11852>
- Kementzetzidou, D., Paradisopoulou, P., Gkogkas, K., Arampatzi, E., Kyriakidou, E., Melissanidou, E., & Theodoulidis, N. (2016). Use of ambient vibrations in understanding local site effects at broadband seismic stations of the Hellenic Unified Seismological Network (HUSN). *Bulletin of the Geological Society of Greece*, 50(3), 1505-1514. doi:<http://dx.doi.org/10.12681/bgsg.11863>
- Karakostas, V.G., Papadimitriou, E. E., Mesimeri, M., Garlaouni, C. G., Paradisopoulou, P.M. The 2014 Kefalonia doublet (M w 6.1 and M w 6.0), Central Ionian Islands, Greece: Seismotectonic implications along the Kefalonia transform fault zone. *Acta Geophysica*, DOI: 10.2478/s11600-014-0227-4, 2014
- Karagianni E., Paradisopoulou P., Karakostas V. Spatio-Temporal earthquake clustering in the western Corinth Gulf. Στο *Bulletin of the Geological Society of Greece*. vol.XLVII.Published, 2013.
- Karakostas Vasileios, Papadimitriou Eleftheria, Xueshen Jin, Zhihui Liu, Paradisopoulou Parthena, Zhang He. Potential of future seismogenesis in Hebei Province (NE China) due to stress interactions between strong earthquakes. Στο *Journal of Asian Earth Sciences*. vol.75 no.1-12. Published, 2013.
- Paradisopoulou P., Papadimitriou E., Mirek J., Karakostas V. Coseismic stress distribution along active structures and their influence on time dependent probability values. *Bull. of the Geol. Soc. Greece*. vol.XLVII, 2013.
- Karakostas, V., Karagianni, E., Paradisopoulou, P. Space-time Analysis, faulting and triggering of the 2010 earthquake doublet in western Corinth Gulf, *Natural Hazard*, doi:10.1007/s1 1069-012-0219-0.
- Paradisopoulou, P.M., Papadimitriou, E. E., Karakostas, V.G., Lasocki, S., Mirek, J., Kiliyas, A. Influence of stress transfer in probability estimates of M \geq 6.5 earthquakes in Greece and surrounding areas. *Bull. Geol. Soc. Greece*, XLIII, 2114–2124, May 2010.
- Paradisopoulou, P. M., Papadimitriou, E. E., Karakostas, V. G., Taymaz, T., Kiliyas, A. and Yolsal, S. Seismic Hazard Evaluation in Western Turkey as revealed by stress transfer and time-dependent

- probability calculations. *Pure Appl. Geophys.*, 167, doi:10.1007/s00024-010-0085-1, 2010.
- Paradisopoulou, P.M., Papadimitriou, E. E., Karakostas, V.G., Lasocki, S., Mirek, J., Kiliyas, A. Coulomb Stress changes and earthquake triggering – An application in the broader Aegean Area. 3rd Greek Conference on Earthquake Engineering and Engineering Seismology, 5-7 November 2008, Athens, Greece.
 - Paradisopoulou, P. M., Garlaouni, C. G., Xueshen, J., Papadimitriou, E. E., Karakostas, V. G., Jialiang, Y. Application of the stress evolutionary model along the Xiaojiang fault zone in Yunnan Province, Southeast China. *Acta Geophysica*, 55, 577-593, 2007.
 - Paradisopoulou, P. M., Papadimitriou, E. E., Karakostas, V. G., Kiliyas, A. Application for source parameters calculations as input for static stress changes studies. 11th International Congress of the Geological Society of Greece, April 2007, Athens, Greece
 - Paradisopoulou, P. M., Karakostas, V. G., Papadimitriou, E. E., Tranos, M. D., Papazachos, C. B. and Karakaisis, G. F. Microearthquake study of the broader Thessaloniki area (Northern Greece). *Annals of Geophysics*, 49, 1081-1093, 2006.
 - Paradisopoulou, P. M., Karakostas, V. G., Papadimitriou, E. E., Tranos, M. D., Papazachos, C. B. and Karakaisis, G. F. Microearthquake study of the broader Thessaloniki area. 5th Intern. Symp. East. Mediter. Geol., Thessaloniki, Greece, 14–20 April 2004, 623–626.

ERASMUS MOBILITY AND FOREIGN COLLABORATIONS:

- Visit and exchange research ideas and data at: Seismological Bureau of Hebei Province, Shijiazhuang, Tang Shan, China, Ιούλιος 2004
- AGH University of Krakow, Poland (March – April 2007) (training and lectures during my PhD).
- AGH University of Krakow, Poland (May 2011), in the frame of LLP-ERASMUS.
- Seismological Bureau of Hebei Province, Shijiazhuang, Tang Shan, Geophysical Institute, CEA (Beijing), Seismological Bureau of Shanxi Province CEA (Taiyuan) July 2012.
- 1/4/2013-5/4/2013: Visit the European Mediterranean Seismological Center (EMSC), Paris.
- AGH University of Krakow, Poland (July 2013) in the frame of LLP-ERASMUS.
- Paisii Hilendarski Unoversity, Faculty of Physics, Plovdiv, Bulgaria (June 2015).

PUBLICATIONS IN CONFERENCES WITH PROCEEDINGS

- **Paradisopoulou P. M.**, Gkarlaouni C. G., Spyrou G. , Panou A. A. , Adamaki A. K. , Leptokaropoulos K. M. (2018). Impact of friction coefficient and fault parameters variation on Coulomb stress change analysis, The European seismological commission 36th (ESC), 2-7 September 2018, Malta.
- **Paradisopoulou P. M.**, Karakostas, V. G., Papadimitriou, E. E., Tranos, M. D., Papazachos, C. B. and Karakaisis, G. F. Microearthquake study of the broader Thessaloniki area, 5th Intern. Symp. East. Mediter. Geol., Thessaloniki, Greece, 14–20 April 2004, 623–626.

- **Paradisopoulou P. M.**, Papadimitriou, E. E., Mirek, J., Karakostas, V., Taymaz, T. and Kiliyas, A. Seismic hazard evaluation in western Turkey as revealed by stress interaction, XXIV Conference of International Union of Geodesy and Geophysics (IUGG), 2-13 July 2007, Perugia, Italy.
- **Paradisopoulou P. M.**, Papadimitriou, E. E., Mirek, J., Karakostas, V., Time dependent probability distribution on faults associated with strong earthquakes ($M \geq 6.5$) in the broader Greece area, XIX Congress of the Carpathian Balkan Geological Association, Thessaloniki, Greece, 23-26 September 2010.
- **Paradisopoulou P.**, Papadimitriou, E., E., Karakostas, V., G., Mirek, J., Probability distribution on faults near the city of Thessaloniki, EGU, Vienna, Austria, April 2012

CITATIONS

- **Karakostas, V., Karagianni, E., Paradisopoulou, P. Space-time Analysis, faulting and triggering of the 2010 earthquake doublet in western Corinth Gulf, Natural Hazard, doi:10.1007/s1 1069-012-0219-0.**
1. Ganas et al., Journal of Seismology Volume 17, Issue 2, 2013, Pages 465-484
- **Paradisopoulou, P. M., Papadimitriou, E. E., Karakostas, V. G., Taymaz, T., Kiliyas, A. and Yolsal, S. Seismic Hazard Evaluation in Western Turkey as revealed by stress transfer and time-dependent probability calculations. Pure Appl. Geophys., 167, doi:10.1007/s00024-010-0085-1, 2010. (1 ετεροαναφορά)**
1. Orlecka-Sikora B., Geophysical Journal International, 2010
 2. Leptokaropoulos et al., EGU, 2014
- **Paradisopoulou, P. M., Garlaoui, C. G., Xueshen, J., Papadimitriou, E. E., Karakostas, V. G., Jialiang, Y. Application of the stress evolutionary model along the Xiaojiang fault zone in Yunnan Province, Southeast China. Acta Geophysica, 55, 577-593, 2007.**
1. Shan, Earth and Planetary Science Letters, Volume 377-378, September 2013, Pages 199-210
- **Paradisopoulou, P. M., Karakostas, V. G., Papadimitriou, E. E., Tranos, M. D., Papazachos, C. B. and Karakaisis, G. F. Microearthquake study of the broader Thessaloniki area (Northern Greece). Annals of Geophysics, 49, 1081-1093, 2006.**
1. Caputo et al., Annals of Geophysics 55 (5) , pp. 859-894
 2. Leventakis et al., Proceedings of the 3rd Hellenic Conference Earthquake Engineering and Engineering Seismology, November 05-07, 2008 Paper # 1801
 3. Karamitrou, A, MSc Thesis, Geology Dept, Aristotle University of Thessaloniki. pp. 157, 2008 (in Greek)
 4. Raptakis D. and Makra K., Soil dynamics and Earthquake Engineering
 5. Koukouzas N. et al., International Journal of Greenhouse Gas control, 2009
 6. Skarlatoudis, A., PhD Thesis, Geology Dept, Aristotle University of Thessaloniki. pp. 308, 2009 (in Greek)
- **Paradisopoulou P. M., Karakostas, V. G., Papadimitriou, E. E., Tranos, M. D., Papazachos, C. B. and Karakaisis, G. F. Microearthquake study of the broader Thessaloniki area, 5th Intern. Symp. East. Mediter. Geol., Thessaloniki, Greece, 14–20 April 2004, 623–626.**
1. Zervopoulou A., and Pavlides, S., Bulletin of the Geological society of Greece, vol., XXXVIII, 2005
 2. Zervopoulou et al., 4th International conference on earthquake geotechnical engineering, June 25-28, 2007

DISTINCTIONS: Third place in Microsoft Cloud AI Research Challenge using cloud and machine learning in order to develop an application ("Earthquake Notifications") for Seismological station of Aristotle

University of Thessaloniki which notifies via phone call and gives information about the magnitude, the location and the origin time of an earthquake.

LANGUAGES: Greek, English

P/C:

1. Operating systems: Linux, UNIX, Windows
2. Programming Languages: Python, Matlab
3. Database: Access , Microsoft SQL Server , Oracle , MySQL
4. Applications: GMT, ArcGIS, R (for statistical computing)