

Personal Information

DATE - PLACE OF BIRTH: 01 January 1984 in Athens, Greece
PROFESSION: Programmer, analyst
PROFESSIONAL ADDRESS: National Observatory of Athens, Institute of Environmental Research and Sustainable Development
Lofos Koufou, P. Penteli, 15236, Athens, Greece
Tel : 30 210 8109140
E-mail:antbezes@noa.gr

Academic Qualifications

2020: PHD candidate Geoinformatics, School of Rural and Surveying Engineering, NTUA, Greece.
2018: M. Sc in Geoinformatics, School of Rural and Surveying Engineering, NTUA, Greece.
2013: M. Eng + B. Arch in Architectural Engineering, Department of Architecture, UTH, Greece.
2008: TOSMI 2008 – introduction to Blender, Educational Organization Papiotis, Greece.

Professional Experience

- 2014 - today: Data analysis, application development, IT, IERSD/NOA, Greece
- 2010 – today: Application development, web design, architectural design, self-employed
- 2007 – 2012: Architectural design, Spiros Papadopoulos studio
- 2007 – 2012: Software development and event planning, LambandLamp Design group
- 2005: Internship, Spiros Papadopoulos architectural studio.

Areas of expertise

Topography and Geographical Systems, Mechanical Installations and Systems, Electrical Installations and Systems, Computer Networks, Architectural Design, Design and construction, Problem Analysis, Internet Services, Editing and montage of video and sound, 3D modeling, Visualization and design of virtual spaces, Multimedia.

- Developer of Web-GIS applications.
- Geo-spatial analysis and visualization of real time meteorological data.
- Research and development of sensory systems and electronics.
- Software development and high performance computing.
- Monitoring, maintenance and improvements of meteorological, particulate monitoring and lightning detection networks currently running at NOA.

Publications in International Journals since 2010

1. Papagiannaki K., K. Lagouvardos, V. Kotroni, and A. Bezes, 2015: Flash flood occurrence and relation to the rainfall hazard in a highly urbanized area. *NHESS*, doi:10.5194/nhess-15-1859-2015.
2. Lagouvardos K., V. Kotroni, A. Bezes, I. Koletsis, T. Kopania, S. Lykoudis, N. Mazarakis, K. Papagiannaki, and S. Vougioukas, 2016: The Automatic Weather Stations Network of the National Observatory of Athens: Operation and Database. *Geoscience Data Journal*, doi: 10.1002/gdj3.44.
3. Mamara, A., Anadranistakis, M., Argiriou, A. A., Szentimrey, T., Kovacs, T., Bezes, A. and Bihari, Z., 2017: High resolution air temperature climatology for Greece for the period 1971–2000. *Met. Apps*, 24: 191–205. doi:10.1002/met.1617.
4. Papagiannaki Katerina, Vassiliki Kotroni, Kostas Lagouvardos, Isabelle Ruin, Antonis Bezes, 2017: Urban areas response to flash flood-triggering rainfall, featuring human behavioral factors: The case of 22 October, 2015, in Attica, Greece. *Weather, Climate and Society*, 9,621-638.

Kotroni V., Cartalis C., Michaelides S., Stoyanova J., Tymvios F., Bezes A., Christoudias T., Dafis S., Giannakopoulos C., Giannaros T.M., Georgiev C., Karagiannidis A., Karali A., Koletsis I., Lagouvardos K., Lemesios I., Mavrakou T., Papagiannaki K., Polydoros A., Proestos Y., 2020: DISARM early warning system for wildfires in the Eastern Mediterranean. *Sustainability*, doi:10.3390/su12166670

Conference Presentations

1. Papagiannaki, K., Kotroni, V., Lagouvardos, K., and Bezes, A. ‘Flash Flood Risk and Vulnerability Analysis in Urban Areas: The Case of October 22, 2015, in Attica, Greece’. Chapter 31 in ‘Perspectives on Atmospheric Sciences’, Springer Atmospheric Sciences (ed), COMECAP 2016 Proceedings, 2016. doi: 10.1007/978-3-319-35095-0_31.
2. Llasat, M.C., Bezes, A., Kotroni, V., Lagouvardos, K., Petrucci, O., Rosselló, J., Vinet, F., Llasat-Botija, M., Papagiannaki, K., Pasqua, A. A. ‘Building a platform to show the flood events recorded in the Mediterranean area’. 9th HyMeX Workshop, Mykonos, Greece, 21-25 September 2015.
3. Papagiannaki, K., Lagouvardos, K., Kotroni, V., and Bezes, A. ‘Flash flood occurrence and relation to the rainfall hazard in Attica, Greece’. 9th HyMeX Workshop, Mykonos, Greece, 21-25 September 2015.
4. Papagiannaki, K., Bezes, A., Lagouvardos, K., and Kotroni, V. ‘Visualization of high-impact weather events that occurred in Greece from 2000 to date’. 9th HyMeX Workshop, Mykonos, Greece, 21-25 September 2015.
5. Bezes A., Tsangrassoulis A. ‘Design of an innovative lighting system for industrial use’, Science and Technology week, Zappeion conference center, Greece, 2006.

Conferences attended

1. 9th HyMeX Workshop, Organizing committee, Hydrological cycle in Mediterranean Experiment, 2015
2. 13th National Cartographic Conference, “Cartography on the Internet. Current Developments and Perspectives”, Hellenic Cartographic Society, Patra, Greece, 2014
3. 2nd International Conference, “Architecture and transparency: challenging the limits”, Department of Architectural Design & Architectural Technology, School of Architecture, AUTH, Greece, 2006

Competitions - Distinctions

1. Commendation, Floater Magazine #2 – System False, Greek Design and Illustration Awards, 2010
2. Commendation, Floater Magazine #1 – on Flotation, Greek Design and Illustration Awards, 2009
3. 1st Prize, “Volos orphanage's yard”, Department of Architecture, UTH, 2007
4. 3D animation and video of Aegean Sea, 10th International Architecture Exhibition “La Biennale di Venezia”, 2006

Computer skills

Operating Systems

Linux, Microsoft Windows

Programming/scripting languages

C / C++, Python, Fortran, Basic / VisualBasic, BASH, PHP, Javascript, Actionscript, MySQL, HTML5 / CSS3

GIS Applications

QGIS, GRASS, SAGA, GDAL, ArcGIS, Global Mapper

CAD / CAM Applications

KiCad, Fritzing, AutoCAD, 3Dstudio MAX, Blender, ScetchUp

Multimedia

GIMP, Inkscape, Hugin, Adobe Photoshop / Illustrator / Premiere / Flash, Corel DRAW / Photopaint, MS Office / LibreOffice