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Background

Dr. Michael Foumelis is a geologist-geophysicist specialized in geodetic GPS and SAR interferometric applications for geohazards. He is staff member of the Risk and Prevention Unit at the French Geological Survey (BRGM). From 2014 to 2016 he worked as EO scientist at the Science, Applications and Future Technologies Department of the European Space Agency (ESA). In 2012 he started a Post Doc at ESA-ESRIN focusing on the development of SAR and InSAR products and services. During 2010 and 2011 he was an adjunct Lecturer in the Geography Department of the Harokopio University of Athens (HUA). He obtained his degree in Geology from the National and Kapodistrian University of Athens (NKUA). He has received scholarships from NKUA and the General Secretariat of Research and Technology of Greece for postgraduate and doctoral studies respectively. During his MSc, at the Department of Dynamics, Tectonics and Applied Geology of NKUA, he worked on Remote Sensing and GIS for geohazards' assessment, whereas for his PhD at the Geophysics Department of NKUA on ground deformation monitoring. He has several publications in scientific journals and international conference proceedings and participated in numerous research projects funded by national and international organizations. He has been invited lecturer in postgraduate and advanced training courses and has supervised students in several academic institutions.

Selected publications

1. Foumelis, M., 2017. Impact of dam failure induced flood on road network using combined remote sensing and geospatial approach. *Journal of Applied Remote Sensing*, 11(1), doi: 10.1117/1.JRS.11.016004.
2. Prats-Iraola, P., Nannini, M., Yague-Martinez, N., Pinheiro, M., Kim, J.-S., Vecchiolo, F., Minati, F., Costantini, M., Borgstrom, S., De Martino, P., Siniscalchi, V., Foumelis, M., Desnos, Y-L., 2017. Interferometric investigations with the Sentinel-1 Constellation. *IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2017)*, Texas, USA, 23-28 July.

3. Foumelis, M., 2016. Vector-based approach for combining ascending and descending Persistent Scatterers Interferometric point measurements. *Geocarto International*, doi: 10.1080/10106049.2016.122263.
4. Foumelis, M., Papageorgiou, E. & Stamatopoulos C., 2016. Episodic ground deformation signals in Thessaly Plain (Greece) revealed by data mining of SAR interferometry time series. *International Journal of Remote Sensing*, 37 (16), 3696-3711, doi: 10.1080/01431161.2016.1201233.
5. Foumelis, M., Trasatti, E., Papageorgiou, E., Stramondo, S. & Parcharidis, I., 2013. Monitoring Santorini volcano (Greece) breathing from space. *Geophysical Journal International*, doi: 10.1093/gji/ggs135.