

Giorgio Cassiani is Full Professor of Applied Geophysics at the Department of Geosciences of the University of Padua. He studied Mining Engineering at the University of Trieste in 1991, holds a Doctorate in Applied Geophysics from the same University (1996), a Master of Science (1995) and a Ph.D. (1997) in Civil and Environmental Engineering from Duke University, USA. He worked at the National Institute of Oceanography and Experimental Geophysics (OGS) and at ENI-Agip as an environmental specialist. From 1999 to 2001 he was Lecturer in Contaminant Hydrogeology at Lancaster University, UK, where he taught courses in Hydrogeology, environmental management and remediation of contaminated sites. From 2001 to 2006 he was Researcher in Applied Geophysics at the Department of Geological Sciences and Geotechnology, University of Milano-Bicocca. From 2006 to 2015 he was Associate Professor at the University of Padua. He has acted as Environmental Advisor in several occasions, such as the participation in the International Commission Subsidence established by Eni S.p.A. (2002-2005). From 2015 to 2019 he served as a member of the Board of Directors of OGS. He has coordinated dozens of projects funded in Italy and in Great Britain and at the EU level including, from 2008 to today, 5 EU projects of the 7th Framework Programme. He is author of about 110 scientific papers in international journals, and over 250 Congress communications, including about 25 invited speeches. His Hirsch Index (H index) is 38 (Google Scholar) and 30 (Scopus). Since 2020 he has been the coordinator of the MSc in Geophysics for Natural Risks and Resources at the University of Padua.

5 publications to choose from:

1. Bellizia E., J. Boaga, A. Fontana, A. D'Alpaos, **G. Cassiani**, M. Ghinassi, 2021, Impact of genesis and abandonment processes of a fluvial meander on geometry and grain-size distribution of the associated point bar (Venetian Plain, Italy), in press, *Marine and Petroleum Geology*.
2. Barone I., J. Boaga, A. Carrera, A. Flores Orozco, **G. Cassiani**, 2021 Tackling lateral variability using surface waves: a tomography-like approach, *Surveys in Geophysics*, doi: 10.1007/s10712-021-09631-x
3. Flores Orozco A., P. Ciampi, T. Katona, M. Censini, M. Petrangeli Papini, G.P. Deidda, **G. Cassiani**, 2021, Delineation of hydrocarbon contaminants with multi-frequency complex conductivity imaging, in press, *Science of the Total Environment*.
4. Barone I., E. Kästle, C. Strobbia and **G. Cassiani**, 2021, Surface Wave Tomography using 3D active-source seismic data, *Geophysics*, 86(1), A1-V89, doi: 10.1190/geo2020-0068-1.
5. **Cassiani G.**, E. Bellizia, A. Fontana, J. Boaga, A. D'Alpaos, M. Ghinassi, 2020, Geophysical and sedimentological investigations integrate remote-sensing data to depict geometry of fluvial sedimentary bodies: an example from Holocene point-bar deposits of the Venetian Plain (Italy), *Remote Sensing*, 12(16), 2568; doi:10.3390/rs12162568.
6. Barone I., **G. Cassiani**, C. Strobbia, 2020, Multi-mode multi-offset phase analysis of surface waves, a new approach to extend MOPA to higher modes, *Geophysical J. International*, 221(3), 1802-1819, doi: 10.1093/gji/ggaa106.
7. Cenni N., J. Boaga, F. Casarin, G. De Marchi, M.R. Valluzzi and **G. Cassiani**, 2019, 2016 Central Italy Earthquakes: comparison between GPS signals and low-cost distributed MEMS arrays, *Advances in Geosciences*, 51, 1–14, doi: 10.5194/adgeo-51-1-2019
8. Boaga J., F. Casarin, D. De Marchi, M.R. Valluzzi, **G. Cassiani**, 2019, 2016 Central-Italy earthquakes recorded by low cost MEMS distributed arrays, *Seismological Research Letters*, 90, 672-682, doi: 10.1785/0220180198.
9. Boaga J., M. Ghinassi, A. D'Alpaos, G.P. Deidda, G. Rodriguez, **G. Cassiani**, 2018, Geophysical investigations unravel the vestiges of ancient meandering channels and their dynamics in tidal landscapes, *Scientific Reports*, Volume 8, Issue 1, Article number 20061, doi: 10.1038/s41598-018-20061-5.