

DR. JANUSZ WASOWSKI



BIOGRAPHY

EDUCATION

PhD and MA in Geology, State University of New York at Buffalo, 1980-1987

PRESENT POSITIONS

- Research geologist at CNR-IRPI (National Research Council-Institute for Geo-hydrological Protection), (1989-present), via Amendola 122 I, 70126 Bari, Italy; e-mail: j.wasowski@ba.irpi.cnr.it
- Visiting Professor at the Research School of Arid Environment and Climate Change, Lanzhou University, Gansu, China (2011-present)
- Science Officer of the Natural Hazards Group Programme, European Geosciences Union (EGU) (2011-present)

EXPERTISE/CURRENT RESEARCH

Engineering geology, natural hazards, remote sensing

Slope instability and landslide hazard assessment:

- Influence of seismic, climatic and human factors on triggering and activity of landslides;
- Field investigations and monitoring (topographic, inclinometric and piezometric).

Exploitation of air/space-borne remote sensing in slope/ground instability investigations:

- Mapping and characterisation of landslides and factors of instability with high resolution optical data;
- Detection and monitoring of ground surface deformations with satellite SAR interferometry.

TECHNICAL-SCIENTIFIC ADVISORY SERVICES

Consulting for the National Department for Civil Protection (Rome, Italy):

- Over 50 reports from site inspections in the Italian municipalities exposed to geohazards conducted on behalf of GNDCI - National Group for the Protection from Hydrogeological Disasters (since 1992)
- Consultant work as a member of the GNDCI advisory committee for the assessment of geohazards in the Apulia region (2002-2004)

Consultant work for the Government of Gansu Province (China):

- Report on landslides and other geohazards in Southern Gansu (December, 2009)

EDITORIAL WORK (INTERNATIONAL SCIENTIFIC JOURNALS)

- Associate Editor of the *Quarterly Journal of Engineering Geology and Hydrogeology* (The Geological Society, London) (2007-present)
- Member of the Editorial Board of the journal *Engineering Geology* (Elsevier) (2007-present)
- Guest editor of nine special issues published in international journals (*Engineering Geology*, *Quarterly Journal of Engineering Geology and Hydrogeology*, *Surveys in Geophysics*)

INVITED LECTURE

Satellite interferometry for landslide detection in the peri-Adriatic area

TOP 5 PUBLICATIONS SELECTED BY LECTURER

J Wasowski, F Bovenga. 2014. Investigating landslides and unstable slopes with satellite Multi Temporal Interferometry: Current issues and future perspectives. *Engineering Geology* 174, 103-138 (review article)

F Bovenga, **J Wasowski**, DO Nitti, R Nutricato, MT Chiaradia. 2012. Using COSMO/SkyMed X-band and ENVISAT C-band SAR interferometry for landslides analysis. *Remote Sensing of Environment* 119, 272-285

J Wasowski, DK Keefer, CT Lee. 2011. Toward the next generation of research on earthquake-induced landslides: current issues and future challenges *Engineering Geology* 122 (1), 1-8 (review article)

V Del Gaudio, **J Wasowski**. 2011. Advances and problems in understanding the seismic response of potentially unstable slopes. *Engineering Geology* 122 (1), 73-83

C Colesanti, **J Wasowski**. 2006. Investigating landslides with space-borne Synthetic Aperture Radar (SAR) interferometry. *Engineering Geology* 88, 173-199