

PERSONAL INFORMATION

Luigi ACETO

Research Institute for Geo-Hydrological Protection (IRPI - CNR)
87036 Cosenza, Italy

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🌐 <https://www.irpi.cnr.it/en/staff-details/?ids=91>

Sex male | Date of birth [REDACTED] | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input checked="" type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

01/06/2023 - nowadays	Manager of IRPI Department of Cosenza of CNR Research Institute for Geohydrological Protection - IRPI CNR, Via Cavour 4-6 87036 Rende (CS) - https://www.irpi.cnr.it/
15/09/2022 – nowadays	Level III Technologist Research Institute for Geohydrological Protection - IRPI CNR, Via Cavour 4-6 87036 Rende (CS) - https://www.irpi.cnr.it/
01/02/2013 - 31/12/2021	Manager of Territorial Research Area of Cosenza of CNR Via Cavour 4-6 87036 Rende (CS) https://areacs.cnr.it/
03/01/2012 – nowadays	Head of Geotechnical Laboratory Research Institute for Geohydrological Protection - IRPI CNR, Via Cavour 4-6 87036 Rende (CS) - https://www.irpi.cnr.it/
10/05/2016 – nowadays	IT Network Manager of the IRPI Office of Cosenza Research Institute for Geohydrological Protection - IRPI CNR, Via Cavour 4-6 87036 Rende (CS) - https://www.irpi.cnr.it/
15/06/1998 - 15/09/2022	Level IV Technician Research Institute for Geohydrological Protection - IRPI CNR, Via Cavour 4-6 87036 Rende (CS) - https://www.irpi.cnr.it/
26/06/2019	Qualification in the National Register of RUPs of the CNR
2011 - 2014	Works director of Geotechnical site investigation
2011 - nowadays	Single Head of Acquisition Procedures

▪ Membership of Research Groups:

Member of the Working Group in the Project "Tech4You – Technologies for climate change adaptation and quality of life improvement", PNRR, Missione 4, Componente 2, Investimento 1.5

Responsible for research support activities of the Agreement for technical and scientific collaboration between the Southern Apennine District Basin Authority and the CNR IRPI (INVENTA), relative to survey and analysis of landslide phenomena for the preparation of the inventory of landslide phenomena of the PAI (landslide risk)

Member of the Working Group in the Research programme by ASI, CNR IREA and IRPI (MEFISTO) for the Development of an innovative integrated multi-channel data processing and interpretation methodology to increase/extend the ability to spatially and temporally characterise deformations caused by natural and/or human induced phenomena

Research support of the 3-years Research Project "INDECIS – Integrated approach for the development across Europe of user-oriented climate indicators for GFCS high-priority sectors: agriculture, disaster risk reduction, energy, health, water and tourism" in the framework of the "ERA4CS Joint Call on Researching and Advancing Climate Services Development - Topic B)" – Coordinator: Enric Aguillar (University Rovira I Virgili – Tarragona)

Research support of the CNR-IRPI of the 2-years Project of Research and Development "SMoRI-

Smart Monitoring of basins subject to high geohydrological risk" in the ambit of POR CALABRIA FESR-FSE 2014-2020 – ASSE I Promozione della ricerca e dell'Innovazione, Obiettivo Specifico 1.2, Azione 1.2.2 – Coordinator: SIRFIN S.p.A.

Responsible for technical coordination of Research Group of the 2-years Project of Research and Development "RMS – FILIERA. Risk Management System and Chain for Management of Geo-hydrological Risk" in the framework of POR CALABRIA FESR-FSE 2014-2020 – ASSE I Promozione della ricerca e dell'Innovazione, Obiettivo Specifico 1.2, Azione 1.2.2 – Coordinator: SETEGET

Member of the Working Group in the Scientific Convention between the CNR IRPI and the State Commissioner (Civil Protection Ordinance no. 3862/2010) for scientific and technical studies, surveys and monitoring in the Municipality of Maierato and in the Ianò hamlet of the Municipality of Catanzaro (Calabria - Italy)

Member of the Working Group in the activity of CNR IRPI "Study and experimentation of methodologies and techniques for the mitigation of landslide risk" - Lotto 1, 4 and 5 - (POR CALABRIA 2000-2006 - Asse 1 – Risorse naturali Misura 1.4 - Sistemi insediativi Azione 1.4.c – Azioni di studio, programmazione, sperimentazione, monitoraggio, valutazione e informazione finalizzati alla predisposizione e gestione di politiche integrate d'intervento di difesa del suolo)

Manager of the Geotechnical Laboratory, supplying: technical and scientific support for the implementation of survey campaigns and site tests, technical-scientific support for the interpretation of geotechnical data, technical-scientific support for the implementation of international databases.

EDUCATION AND TRAINING

16/12/2006

Degree in Civil Engineering (section Geotechnics) with vote 110/110

▪ University of Calabria, via Pietro Bucci 87036, Arcavacata di Rende, Cosenza (Italy)
Geotechnics

WORK ACTIVITIES

Editorial activity
Grants
Others

ADDITIONAL INFORMATION

Publications

total number of publications in peer-review journals: 14 (SCOPUS)
total number of citations: 285 (SCOPUS July 03th, 2024)
H index: 10 (SCOPUS July 03th, 2024)

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55556043900>
Orcid: <https://orcid.org/0000-0002-3048-3766>

Some publications:

- Papagiannaki, K., Petrucci, O., Diakakis, M., Kotroni, V., Aceto, L., Bianchi, C., Brázdil, R., Gelabert, M.G., Inbar, M., Kahraman, A., Kılıç, Ö., Krahn, A., Kreibich, H., Llasat, M.C., Llasat-Botija, M., Macdonald, N., de Brito, M.M., Mercuri, M., Pereira, S., Rehof, J., Geli, J.R., Salvati, P., Vinet, F., Zêzere, J.L., (2022) - Developing a large-scale dataset of flood fatalities for territories in the Euro-Mediterranean region, FFEM-DB. Scientific Data, 9, 1. DOI: 10.1038/s41597-022-01273-x. eId: 2-s2.0-85128119910. ISSN: 20524463
- Peduto, D., Nicodemo, G., Ferlisi, S., Reale, D., Fornaro, G., Aceto, L., Borrelli, L., Gullà, G., (2022) - Integration of DInSAR and Multi-Source Data for the Multi-Scale Management of Built-Up Areas Exposed to Slow-Moving Landslide Risk. International Geoscience and Remote Sensing Symposium (IGARSS), 7. DOI: 10.1109/IGARSS46834.2022.9883279. eId: 2-s2.0-85140379157
- Peduto, D., Santoro, M., Aceto, L., Borrelli, L., Gullà, G., (2021) - Full integration of geomorphological, geotechnical, A-DInSAR and damage data for detailed geometric-kinematic features of a slow-moving landslide in urban area. Landslides, 18, 3. DOI: 10.1007/s10346-020-01541-0. eId: 2-s2.0-

85092160530. ISSN: 16125118 1612510X

- Nicodemo, G., Ferlisi, S., Peduto, D., Aceto, L., Gullà, G., (2020) - Damage to Masonry Buildings Interacting with Slow-Moving Landslides: A Numerical Analysis. *Lecture Notes in Civil Engineering*, 40. DOI: 10.1007/978-3-030-21359-6_6. eid: 2-s2.0-85068175329. ISSN: 23662565 23662557
- Petrucci O., Aceto L., Bianchi C., Bigot V., Brázdil R., Pereira S., Kahraman A., Kılıç O., Kotroni V., Llasat M.C., Llasat-Botija M., Papagiannaki K., Pasqua A.A., Řehoř J., Rossello Geli J., Salvati P., Vinet F., Zézere J.L., (2019) - Flood Fatalities in Europe, 1980–2018: Variability, Features, and Lessons to Learn. *Water*, 11, 8. DOI: 10.3390/w11081682. eid: 2-s2.0-85071025478. ISSN: 2073-4441 MDPI AG
- Vinet F., Bigot V., Petrucci O., Papagiannaki K., Llasat M.C., Kotroni V., Boissier L., Aceto L., Grimalt M., Llasat-Botija M., Pasqua A.A., Rossello J., Kılıç Ö., Kahraman A., Trambly Y. (2019) - Mapping Flood-Related Mortality in the Mediterranean Basin. Results from the MEFF v2.0 DB. *Water*, 11, 10. DOI: 10.3390/w11102196. eid: 2-s2.0-85074377081. ISSN: 2073-4441 MDPI AG.
- Gullà, G., Aceto, L., Antronico, L., Borrelli, L., Coscarelli, R., Perri, F., (2018) - A smart geotechnical model in emergency conditions: A case study of a medium-deep landslide in Southern Italy. *Engineering Geology*, 234. DOI: 10.1016/j.enggeo.2018.01.008. eid: 2-s2.0-85041750049. ISSN: 00137952
- Petrucci, O., Salvati, P., Aceto, L., Bianchi, C., Pasqua, A.A., Rossi, M., Guzzetti, F., (2018) - The vulnerability of people to damaging hydrogeological events in the Calabria region (Southern Italy). *International Journal of Environmental Research and Public Health*, 15, 1. DOI: 10.3390/ijerph15010048. eid: 2-s2.0-85040015205. ISSN: 16604601 16617827
- Aceto, L., Pasqua, A.A., Petrucci, O., (2017) - Effects of damaging hydrogeological events on people throughout 15 years in a Mediterranean region. *Advances in Geosciences*, 44. DOI: 10.5194/adgeo-44-67-2017. eid: 2-s2.0-85025161794. ISSN: 16807359 16807340
- Petrucci O., Papagiannaki K., Aceto L., Boissier L., Kotroni V., Grimalt M., Llasat M.C., Llasat - Botija M., Rosselló J., Pasqua A.A., Vinet F., (2019) - MEFF: the database of MEDiterranean Flood Fatalities (1980 to 2015). *Journal of Flood Risk Management*, 12, 2. DOI: 10.1111/jfr3.12461. eid: 2-s2.0-85047795185. ISSN: 1753-318X

03/07/2024

