

Curriculum vitae of Pierpaolo Oreste

(<https://www.swas.polito.it/rubrica/list.asp?lang=en&freetext=oreste>)

Education, training and Academic background

- Attainment, cum laude, of a degree in Mining Engineering at the Politecnico di Torino (July 1991) and, cum laude, of a degree in Environmental Engineering with specialization in Geotechnology at the Politecnico di Torino (October 1996);
- Attended specialisation course in Mechanised Tunnelling (duration: 300 hours) organised by the Politecnico di Torino and attainment of the relative final diploma (April-June 1994);
- Attainment of a Ph.D. in Underground Resource Engineering with a thesis entitled: New Calculation Models of Reinforced and Precontainment Structures in Tunnels (October 1995);
- Post-doctoral Fellow (1996-1998) at the Department of Georesources and Land at the Politecnico di Torino on the following topic: Analysis of improvement techniques of the static function of tunnel faces.
- Employed as University Researcher, Associate Professor and Full Professor at the Department of Environmental, Land and Infrastructure Engineering at the Politecnico di Torino (1999-2021) in the Excavation and Mining Engineering and Safety scientific sector.

Scientific activity

- Author of about 170 scientific publications in national and international journals as well as conference proceedings, mainly in the field of geomechanics and underground structures (see the complete list at: <https://iris.polito.it/cris/rp/rp06136?start=0&sortBy=2&order=DESC&type=all#.YHiEMMKm3uE>).
- Participation in Politecnico di Torino research projects with external companies (since 1995).
- Coordinator and responsible for Politecnico di Torino research projects with public and private bodies since 1999.
- Coordinator of the Politecnico di Torino project entitled "Innovative methods for the eco-compatible and sustainable recycling of excavation, considering the potential content of noxious minerals" co-funded by the Piedmont Region. This research project (total amount 1.8 million Euros) was active in the 2007-2011 period and lasted 42 months; it involved 25 professors and researchers from the Politecnico di Torino from three different departments and five external companies, including a Department of the University of Turin.

Service to the university and the community

- President of the Educational Area of Environmental and Land Engineering (2007-2018). This area supervised 4 different Engineering Degree Courses which were attended by more than 700 students: Bachelor in Environmental and Land Engineering, Master of Science in Environmental and Land Engineering, Master of Science in Land Protection Engineering, Master of Science in Petroleum and Mining Engineering. Sixty professors, in charge of the various degree courses, belonged to this organisation.
- Vice-Director of the Department of Land, Environment and Geotechnology Engineering (DITAG) at the Politecnico di Torino (2007-2011).
- Rapporteur of 120 thesis at the Politecnico di Torino (Degree Courses in Environment and Land Engineering, Civil Engineering, Petroleum and Mining Engineering) (1997-2021).
- Member of the Board of Directors of the Politecnico di Torino (2003-2006 and 2007-2013). The Board of Directors is the supreme Body that manages and organizes the University activities.
- Chairman of the Disciplinary Board for Politecnico di Torino students (since 2018).
- Member of the Society of Mining Professors (SOMP), based in Delft (The Netherlands) (since 2013).
- Member of the Board of the Ph.D. School in Environmental Engineering at the Politecnico di Torino (from 2012 to 2015) and of the Board of the Ph.D. School in Civil and Environmental Engineering (since 2015).