

Corrado Fidelibus - Curriculum Vitae
September 2018

25.01.63, Teramo, Italy

Civil Engineer, Politecnico di Bari, IT, 1988

Ph.D. Geotechnical Engineering, Politecnico di Torino, IT, 1996

Career

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| 08/2018-to date | Università del Salento, IT, research associate |
| 09/2013-07/2018 | Politecnico di Bari, IT, research associate |
| 09/2010-08/2013 | National Research Council, Torino, IT, research associate |
| 09/2007-08/2010 | Politecnico di Bari, IT, research associate |
| 01/2009- | Golder Associates Srl, Torino, IT, consultant |
| 01/2006-12/2008 | Geodata Srl, Torino, IT, consultant |
| 09/2002-12/2006 | Departement Erdwissenschaften ETH Zürich, CH, senior research assistant |
| 03/2000-08/2002 | Politecnico di Bari, IT, research associate |
| 05/97-11/97 | Golder Associates Inc., Redmond, WA, visiting scientist |
| 11/94-02/2000 | National Research Council, Bari, IT, research associate |
| 1993-1995 | Politecnico di Torino, IT, Ph.D. scholarship |
| 1992 | Bari, IT, professional engineer |
| 1990-1991 | National Research Council, Bari, IT, research scholarship |
| 1988-1989 | Bari, IT, professional engineer |

Research topics

Computational geomechanics, Fractured rock hydrology.

Teaching

- Università del Salento, Lecce (IT): *Geotecnica*, 2015-16, 2016-17, 2017-18.
- Politecnico di Bari: *Stabilità dei Pendii* (Slope Stability), academic years 99-2000, 2000-01, 2001-02, 2007-08, 2008-09, 2009-10, *Geotecnica per Ambiente e Territorio* (Geotechnical Engineering for Environment and Land), 2007-08, 2008-09, 2009-10, *Geotecnica* (Geotechnical Engineering), 2013-14, 2014-15, 2015-16, 2016-17, 2017-18.
- Politecnico di Torino: 2010-11 *Geotecnica* (Vercelli), lectures for the 2nd Level Specializing Master Course of Tunnelling and Tunnel Boring Machines, 2011-12, 2013-14, 2015-16, 2017-18.
- Tashkent Turin Polytechnic University, Tashkent (UZ): *Structural Engineering*, 2012-13, 2017-18, *Geotechnics*, 2013-14, 2014-15, 2015-16, 2016-17, 2017-18.

Professional activity (selected jobs)

Foundation analysis, Palazzo della Regione, Torino (GEODATA); Preliminary studies for the tunnel feasibility, Gibraltar Strait, Spain-Morocco (GEODATA);

Simulation of inflow rate in highly fractured rock stretches, Lyon-Turin railway, France-Italy (GEODATA); Analysis of subsidence induced by two deep operations (a salt mine and a gas reservoir) in the Netherlands (Confidential Client, Golder).

National and international projects

For Golder Associates Inc., Redmond, WA, he developed a code for the fluid flow analysis in a 'monster' fracture systems.

Member of the European COST 621 Action on *Groundwater management of coastal karst aquifer*.

At the Federal Polytechnic of Zurich he carried out research on thermo-hydro-mechanical coupling for the storage of radioactive waste, funded by the Division for the Safety of Nuclear Facilities (HSK, now ENSI) of the Swiss Federal Office of Energy (BFE). On behalf of HSK, he was also in charge of reviewing projects of NAGRA (National Cooperative for the Disposal of Radioactive Waste).

Vice project manager of the EZ-B project in the underground laboratory of Mont Terri, in Canton Jura. The experiment consisted of a mine-by aimed at measuring the disturbance around a niche excavated in Opalinus clay.

Project manager of two research projects with ENEL (italian electrical company), the first on slope stability of rock masses, the second on and the hydro-mechanical coupling in poroelastic materials.

Other

Best italian Ph.D thesis in Geotechnical Engineering 93-96 Italian Geotechnical Association.

Editorial Board *Rock Mechanics and Rock Engineering* and *Engineering Geology*.

Chairman/organizer of the conference "Capture and storage of carbon dioxide", held on October 9, 2009 in Turin at the Environmental Park.

Co-tutor of the following doctoral theses:

1. **Cammarata G.** A numerical method for the prediction of the HM response in a a rock mass. Politecnico di Torino, Italy, January 2005.
2. **Internó G.** On the diffusion of pollutants in clayey soils. Politecnico di Bari, Italy, June 2005.
3. **Yong S.** A three-dimensional analysis of excavation-induced perturbations in the Opalinus Clay at the Mont Terri Rock Laboratory. Department of Earth Sciences, ETH Zurich, December 2007.

Associate of the Institute of Geosciences and Georesources of the National Research Council of Italy, Turin.

Selected in January 2008 for a position as Research Assistant at UFZ (Helmholtz Forschung Zentrum) in Leipzig (position refused later).

Qualified June 2017 by the Italian Ministry of Research and Education to associate professor in Geotechnical Engineering (habilitation).