

## Corrado Fidelibus - Curriculum Vitae

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25.01.63, Teramo (IT)

1988 Civil Engineer, Politecnico di Bari, Bari (IT)

1996 Ph.D. Ingegneria Geotecnica (Geotechnical Engineering), Politecnico di Torino, Torino (IT)

### Career

12/2021 to date	Università del Salento, Lecce (IT), associate professor Geotechnical Engineering
08/2018-11/2021	Università del Salento, Lecce (IT), research associate
09/2013-07/2018	Politecnico di Bari, research associate
09/2010-08/2013	National Research Council, Torino, research associate
09/2007-08/2010	Politecnico di Bari, research associate
01/2009-08/2010	Golder Associates Srl, Torino, consultant
01/2006-12/2008	Geodata Srl, Torino, consultant
09/2002-12/2006	Dep. Erdwissenschaften ETH Zürich (CH), senior research assistant
03/2000-08/2002	Politecnico di Bari, research associate
05/97-11/97	Golder Associates Inc., Redmond (US-WA), visiting scientist
11/94-02/2000	National Research Council, Bari, research associate
1993-1995	Politecnico di Torino, Ph.D. scholarship
1992	Bari, professional engineer
1990-1991	National Research Council, Bari, research scholarship
1988-1989	Bari, professional engineer

### Research topics

Computational geomechanics, geo-hydrology, geotechnical engineering, rock mechanics

## Teaching

- Università del Salento: Geotecnica (Geotechnical Engineering) AYs 15-16, 16-17, 17-18, 18-19, 19-20, 20-21, 21-22.
- Università del Salento: Geotecnica Ambientale (Geotechnical Engineering for the Environment) AYs 20-21, 21-22.
- Politecnico di Bari: Stabilità dei Pendii (Slope Stability) AYs 1999-2000, 00-01, 01-02, 07-08, 08-09, 09-10; Geotecnica per Ambiente e Territorio (Geotechnical Engineering for Environment and Land) AYs 07-08, 08-09, 09-10; Geotecnica AYs 13-14, 14-15, 15-16, 16-17, 17-18.
- Politecnico di Torino: Geotecnica (Vercelli) AY 10-11; lectures for the 2<sup>nd</sup> Level Specializing Master Course of Tunnelling and Tunnel Boring Machines, AYs 11-12, 13-14, 15-16, 17-18, 19-20.
- Tashkent Turin Polytechnic University, Tashkent (UZ): Structural Engineering AY 12-13; Geotechnics AYs 13-14, 14-15, 2015-16, 16-17, 17-18, 18-19, 19-20, 20-21, 21-22, 22-23

## Professional activity (selected)

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

As senior research assistant at ETH, it was his duty to investigate the thermo-hydro-mechanical coupling effects around excavations for the storage of radioactive waste in clay shales. On behalf of the Division for the Safety of Nuclear Facilities (HSK, now ENSI) of the Swiss Federal Office of Energy (BFE), funding the contract, he was also in charge of reviewing the official documentation provided by NAGRA (National Cooperative for the Disposal of Radioactive Waste) for the demonstration of feasibility of the deep geological disposal of radioactive nuclear waste (Entsorgungsnachweis).

Vice project manager of the EZ-B experiment in Mont Terri Underground Research Laboratory, a mine-by experiment aimed at measuring the rock disturbance around a niche excavated in Opalinus clay.

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

Project manager of a research project funded by ENEL (italian national electrical company) on the hydro-mechanical coupling in poro-fractured materials.

### **Other**

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

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

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

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

Publons Peer Review Awards 2017, as one of the top 1 per cent reviewers in Earth and Planetary Sciences.

Visiting researcher at the School of Civil, Environmental and Mining Engineering, University of Adelaide, Australia, January 18, 2019 to February 8, 2019, and at University U-Minho, September 21, 2021 to September 24, 2021.

Co-tutor for three doctoral theses (ETH Zurich, Politecnico di Bari, Politecnico di Torino) and tutor of ca 80 bachelor and master theses (Politecnico di Bari, Politecnico di Torino, Università del Salento).

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

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

Honorary Research Fellow University of Exeter, UK

Vinovo, Italy, September 2022