Fabio Gracia ITASCA

Software Engineer

Expertise Software design and dev
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Numerical Modeling, Rock and Soil Mechanics,

Education Ph.D. (Geomechanical Engineering), 2018, Université Grenoble Alpes

M.Sc. (Geomechanical Engineering), 2014, Université Joseph Fourier -

Grenoble

B.Sc. (Civil Engineering), 2011, Universidad de los Andes (Colombia)

Experience

2019 –	Itasca Consultants S.A.S – Écully, France, Software Engineer
2018 – 2019	IMSRN/Laboratoire 3SR – Grenoble, Geotechnical Engineer
2014 – 2018	Laboratoire 3SR – Grenoble, Ph. D.
2011 – 2013	Ingetec S.A. – Bogota, Colombia, Geotechnical Engineer

Project experience

- Development of a Material Point Method code (MPMbox) in 2D and 3D using C++
- Development of a code for trajectory analysis using a DEM/MPM coupling
- Continuum numerical analysis of elasto-plastic geomaterials
- Hydrogeological characterization of rock masses
- Slope stability analyses