



ROMAIN LE GOC

ENGINEER AND SCIENTIST, SPECIALIZED IN FRACTURED ROCK
FOR GEOMECHANICAL AND HYDROLOGICAL APPLICATIONS

MOTIVATIONS

Motivated, experienced in both research and industrial applications, I'm a skilled professional in numerical modeling and statistical analyses. I'm team-working oriented looking for challenging problems.

SKILLS

Software development:
C++/Python/open MP

Software management :
Versioning (SVN/GIT), tests, installation, documentation, Trello, Slack

Scientific analyses :
Numerical computation, finite elements, modelling, statistics, graph methods

Project management:
reporting, presentation, budget, client management

Softwares : DFNLab, 3DEC, PFC3D

WORK EXPERIENCE

SCIENTIST • FRACTORY • 2018 - NOW

The Fractory is a joint laboratory between ITASCA and the CNRS. I'm in charge of software development (architecture, algorithms, testing, documentation, deployment). I'm also managing projects on risk assessments for underground nuclear waste storage and mining projects. Keywords: risk assessment, numerical simulations, statistical indicators

RESEARCH ENGINEER • ITASCA SAS • 2010 – 2018

Development and application of numerical tools for modelling fractured media. Application to various projects for companies responsible for high-radioactive wastes disposals, mining projects and civil engineering. Keywords: flow simulations – mechanical properties – DFN – 3D modelling

JUNIOR ENGINEER • ITASCA SAS • 2006 – 2009

Projects: characterizing the fracturing properties for site-modelling for SKB, the Swedish agency for nuclear wastes disposal. Keywords: fracture data (borehole logs, outcrops) – statistical models - DFN

EDUCATION

PH. D • 2009 • UNIV. RENNES • EARTH SCIENCES

Topic: characterizing and modeling of flow in fractured media.

MS ENG • 2005 • INSA RENNES • COMPUTER SCIENCES

Specialization: software development, scientific computation.



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