

Junior Engineer / Research Student

Expertise Numerical Modeling of Fractured Media

Education Engineering Diploma, Computer Sciences, INSA Rennes, France, 2005

Professional Experience

2007 - Present *Itasca Consultants S.A.S. Ecully, France & Géosciences Rennes, University of Rennes: Junior Engineer / Research Student*

2005 – 2006 *Géosciences Rennes, Université of Rennes, France, Research Assistant*

1994 *INRA Rennes, France, Research Student*

Project Experience

Discrete Fracture Network Modeling (Geo-DFN), application to site characterization at Forsmark and Simpevarp (Sweden), two candidate sites for a nuclear waste repository.

Development of software related to the inverse problem in hydrogeology. Identification of main flow structures in high-channeled media.

Contribution to the development of MPFRAC, software for modeling fractured media (structure and flow).

Study of the inverse problem in hydrogeology as applied to porous media. Development of a quasi-Newton procedure.