

Engineer

Expertise Non-linear behavior of reinforced concrete material, discrete element modeling

Education Ph.D. (Civil Engineering), 2008
Laboratory Sols, Solids, Structures - Risks, Grenoble, France
DEA (Civil Engineering), 2004
Joseph Fourier University, Grenoble, France
Postgraduate (Civil Engineering), 2000
National Central University, Taiwan
M.Sc. (Civil Engineering), 1998
Tamkang University, Taiwan

Professional Experience

2009 - present *Itasca Consultants S.A. Ecully, France, Engineer*
Laboratory Sols, Solids, Structures - Risks, Grenoble, France
2008 *Post- Doctorial Researcher*
2004 – 2008 *Research Student*

Project Experience

Sliding behavior analysis between two massif rocks (treated as a clump), discontinuity installation in the granular material. C++ implementation on a discrete element code (*YADE*).

Simulation of concrete material under high hydrostatic pressure confinement (650 MPa), compaction behavior analysis.

Simulation of a reinforced concrete slab submitted to a rigid missile impact loading, prediction of the trajectory of the missile with the variation of initial impact velocity.