

5 PhD Positions at Belgian Nuclear Research Centre

5 PhD Positions are available at Belgian Nuclear Research Centre (SCK-CEN) in Collaboration with Major Universities starting September 2016 (2016-2020). The topics cover research on experimental and numerical modeling of cementitious materials and bentonite. The PhD degree will be awarded by different universities listed below, with a major part of the work being planned to be carried out at the Belgian Nuclear Research Centre. Note that for the first round the candidates will be interviewed by a small team of scientists and university promoters. The selected candidates will then be asked to appear in front of a scientific committee, who will be the ultimate deciding authority. For both these interviews, web conferencing facility will be offered for foreign candidates. The deadline for submission of application is **March 25, 2016**.

- PhD position 1
Thermo-Hydro-Chemo-Mechanical (THCM) coupled behaviour of compacted bentonite in the context of nuclear waste disposal – PhD degree will be awarded by Universitat Politècnica de Catalunya, Barcelona, Spain – Promoter: Prof. Enrique Romero
http://academy.sckcen.be/en/Your_thesis_internship/AllTopics/ThermoHydroChemoMechanical-THCM-coupled-behaviour-of-compacted-bentonite-in-the-context-of-nuclear-waste-disposal-1440
- PhD position 2
A study of the effect of combined leaching and carbonation processes on physical and transport properties of mortar – PhD degree will be awarded by University of Gent, Belgium and University of Delft, The Netherlands – Promoter: Prof. Geert de Schutter/Prof. Klas van Breugel
http://academy.sckcen.be/en/Your_thesis_internship/AllTopics/A-study-of-the-effect-of-combined-leaching-and-carbonation-processes-on-physical-and-transport-properties-of-mortar-1474
- PhD position 3
Accelerated carbonation in unsaturated fractured cement – PhD degree will be awarded by University of Leuven, Belgium – Promoter: Prof. Ozlem Cizer
http://academy.sckcen.be/en/Your_thesis_internship/AllTopics/Accelerated-carbonation-in-unsaturated-fractured-cement-1356
- PhD position 4
Thermo-Hydro-Mechanical study to assess the concrete cracking phenomena during the heating phase of a half-scale test – to be announced
http://academy.sckcen.be/en/Your_thesis_internship/AllTopics/Thermo-Hydro-Mechanical-study-to-assess-the-concrete-cracking-phenomena-during-the-heating-phase-of-the-second-half-scale-test-1353
- PhD position 5
Cemented waste deterioration: chemistry and effect on structural and mechanical properties – PhD degree will be awarded by University of Liege, Belgium – Promoter: Prof. Luc Courard
http://academy.sckcen.be/en/Your_thesis_internship/AllTopics/Cemented-waste-deterioration-chemistry-and-effect-on-structural-and-mechanical-properties-1438