

# Dissertation for PhD degree

## **Solid Waste Landfills in an Arid Environment -Site Selection and Design**

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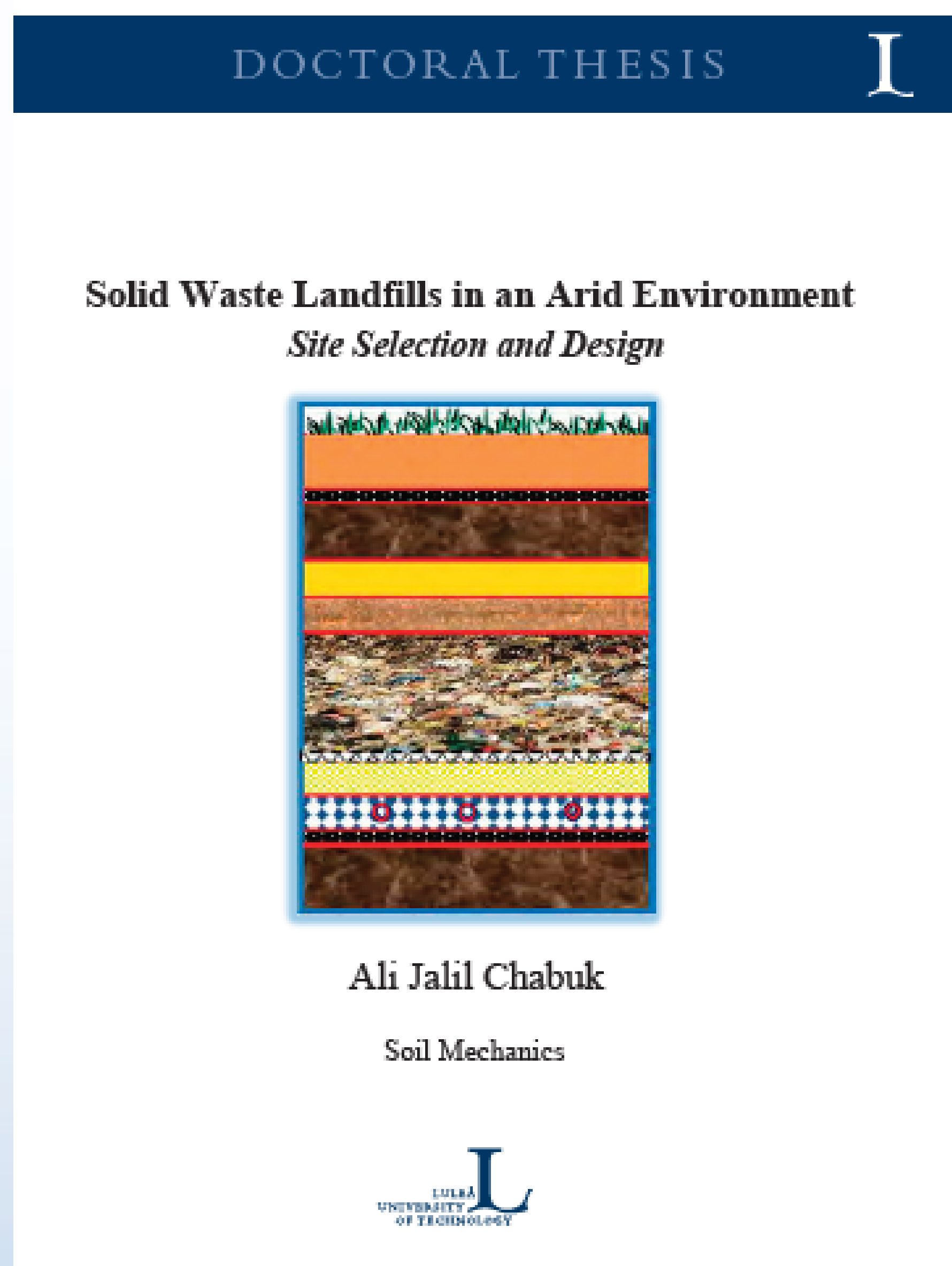
Venue: Luleå University of Technology, F1031

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Time: 10.00

Supervisors: Profs. Jan Laue and Nadhir Al-Ansari

Faculty opponent: Professor Rafid Alkhaddar, John Moores University, Liverpool, UK.



### **Summary:**

The thesis deals with landfills in arid environment. It contains studies of site selection procedures including the use of GIS and how different factors of importance are weighted. Appropriate and necessary soil investigation procedures are presented in order to have the best location. The design of landfills in arid environment is studied in detail and three different design scenarios are assessed and analyzed in depth. Recommendations are finally given.

The thesis can be found on:

<http://ltu.diva-portal.org/smash/get/diva2:1294795/FULLTEXT02.pdf>