

## **THESIS ABSTRACT**

**STUDENT NAME**                      **MAGDY A. MAHMOUD**

**TITLE OF THE STUDY**            **DEVELOPMENT OF AN EVALAUTION AND  
SELECTION MODEL FOR FLOOR FINISHING  
MATERIALS SYSTEM**

**MAJOR FIELD**                        **ARCHITECTURAL ENGINEERING**

**DATE OF DEGREE**                 **SEPTEMBER, 1994**

The development of an evaluation and selection model for floor finishing materials that incorporates both qualitative and quantitative analysis is described. A field survey was conducted by interviewing expert personnel from a group of construction and maintenance firms. The qualitative analysis was concerned with the determination of the impact of importance of material performance requirement criteria and the interrelationship with the building's functional space. The quantitative analysis was concerned with the material option life cycle costing, including initial and maintenance costs.

**MASTER OF SCIENCE DEGREE**  
**KING FAHD UNIVERSITY OF PETROLEUM & MINERALS**  
**DHAHRAN – SAUDI ARABIA**  
**SEPTEMBER 1994**