

Senior Thesis Brief Description

Thesis Title	Heat Flux Variation Through An Opaque Wall Based On The Position Of The Insulating Material
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics– Finite Elements Methods
Student's Name	Christos Galazis
Students Reg. Number	7896
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Petros Christou, Ass. Professor, Civil Engineering Department Dr. Demetris Nicolaidis, Lecturer, Civil Engineering Department
Semester	Fall Semester 2016
Short Description	This project aimed to the computational analysis of the thermal performance of different building elements with regard to the optimal location of the thermal insulating layer. In terms of this study, finite elements methods were used (Comsol Multiphysics) to identify the heat flux through the building elements for different boundary conditions and the analysis was conducted for transient heat transfer conditions.