

Senior Thesis Brief Description

Thesis Title	Numerical evaluation of thermal behaviour of a vernacular building in Nicosia
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	Marios Michael
Students Reg. Number	5275
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 2014
Short Description	The purpose of this study was the numerical simulation and evaluation of the thermal behaviour of a vernacular building in Nicosia, Cyprus. In terms of this study the well-known Energy Plus code and the interface of Simergy were employed. The simulations were validated by means of measurements conducted by the Department of Architecture of University of Cyprus in terms of the BioVernacular research project. This study provided valuable insight regarding the energy behaviour of vernacular buildings in Cyprus.