



SYNOPSIS

Environmental greening and provision of housing has been a major challenge to the governments of the world especially the developing nations. The South African government at various levels of her developmental growth has endeavoured to provide affordable housing to her populace. However, the economic downturn and global warming phenomena in the world have brought about budgetary constraints to the provision of green housing infrastructure.

Subsequently, researchers in the green housing infrastructural network are saddled with the responsibilities of examining novel methods of provision of quality and quantitative housing with

green flair within available budget. In previous and current joint research being conducted by Italian and South African researchers, the effective and beneficial use of waste are being clearly examined with a view to preserving the environment and aiding the provision of low cost green housing infrastructure.

The focal point of the presentation of Prof Frattari will involve a close examination of the basic gap existing with regard to the development of appropriate practical but engineering based models for the use of waste materials in construction of green low cost housing.



BIOGRAPHICAL PROFILE:

Professor Antonio Frattari

Prof. Dott. Ing. Antonio Frattari was initially an Associate Professor of Building Restoration at the Faculty of Engineering, University of Roma "La Sapienza", Italy from 1983 to 1986 after a stint as an Assistant Professor from 1979 to 1982 at the same University. However, since 1986, he has been a Full Professor at the Department of Civil, Environmental and Mechanical Engineering, University of Trento, Italy. At the University of Trento, he has been Chief of the Laboratory of Building Design (LBD) from 1986 to date; and Chief of the University Centre for Smart Buildings (CUNEDI) from 2004 to date. He was the Vice Chancellor at the University

of Trento from 2004 to 2008 with the responsibility for construction projects. He is a board member of the International Association for Housing Science (IAHS) and the International Council for Monument and Sites (ICOMOS) among many other international associations and committees. His current research is focused on studies in the field of sustainable building; innovative technologies for the construction of low energy consumption buildings with renewable and natural materials; and development of rating systems for the evaluation of building sustainability, among others. He is author of more than 200 publications including books, scientific papers and monographs on Italian and international reviews on building sustainability, innovative techniques in building construction, and domestic solutions to improve the quality of life at home and in office buildings.



College of Agriculture, Engineering and Science

together with

**Istituto Italiano di Cultura - Pretoria
and Tshwane University of Technology**

cordially invites you to attend a

Public Talk

Green Housing Initiative: *A Panacea for Affordable Home Ownership*

by

Prof Antonio Frattari

University of Trento, Italy



Date:

Tuesday 17 May 2016

Venue:

Unite Lecture Room, School of Engineering Building
Howard College Campus

Time:

12:30-14:00

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