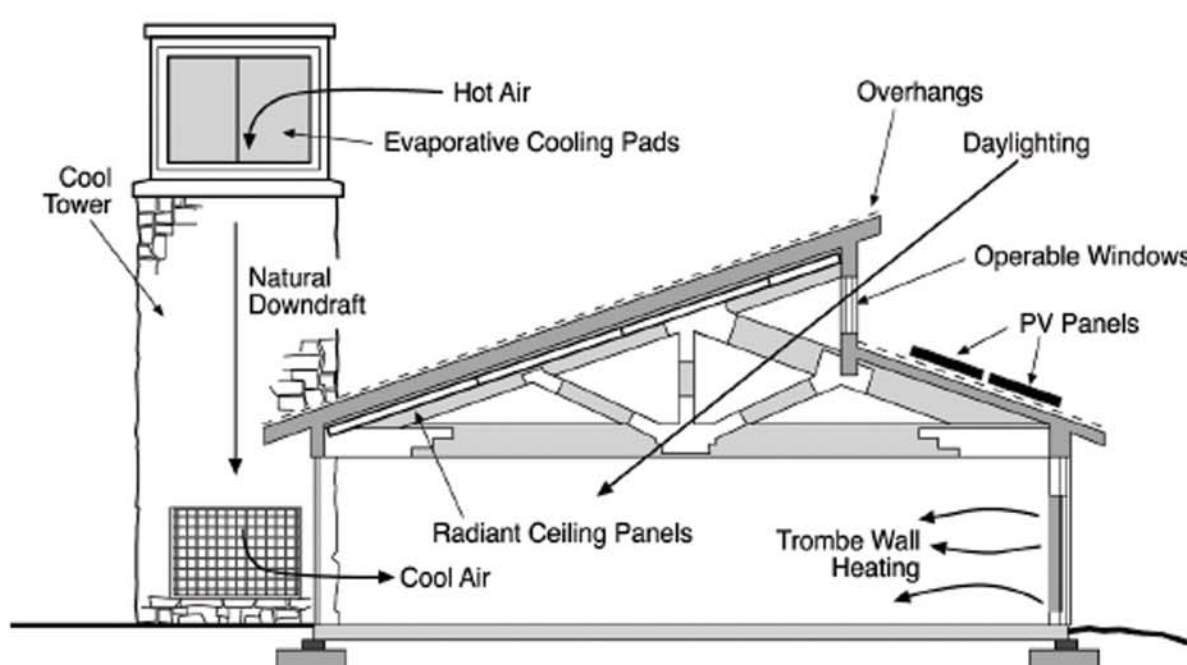




NATURAL COOLING SOLUTIONS FOR OUTDOOR/INDOOR COMFORT

Master Degree Course: ICT in building design

Event



Source: NREL and NPS drawings.

The consumption of energy for space cooling in buildings is growing quickly, reaching a global increase of about 60% recorded between 2000 and 2010 and a tripling of this demand considering the expectation for the year 2050. A growing that is even more evident if we consider the air-conditioning market, that between 2010 and 2015 has grown by 70% in the sole emerging countries. The invited lecture of prof. David Pearlmutter, internationally recognised expert in passive cooling solutions for indoor and outdoor comfort, will introduce the results of his researches in outdoor evaporative systems, while G. Chiesa will discuss about the use of natural cooling heat sinks for indoor comfort according to a performance-driven approach.

13:30 | Introduction

13:40 | Evaporative cooling of open spaces – prof. David Pearlmutter, Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Israel

15:20 | Break

15:30 | Natural cooling heat sinks for indoor comfort – dr. Giacomo Chiesa, Politecnico di Torino, DAD

16:20 | Conclusions

15 January 2018
ore 13:30 - Sala della Caccia
Castello del Valentino
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