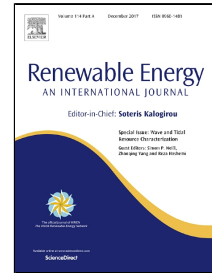


Accepted Manuscript

On the Time Varying Mitigation Performance of Reflective Geoengineering Technologies in Cities

V. Lontorfos, C. Efthymiou, M. Santamouris



PII: S0960-1481(17)30895-9
DOI: 10.1016/j.renene.2017.09.033
Reference: RENE 9231
To appear in: *Renewable Energy*
Received Date: 23 February 2017
Revised Date: 05 August 2017
Accepted Date: 10 September 2017

Please cite this article as: V. Lontorfos, C. Efthymiou, M. Santamouris, On the Time Varying Mitigation Performance of Reflective Geoengineering Technologies in Cities, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.09.033

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Weatherization affects the mitigation potential of the reflective materials at least, 25 %.
- Reflective pavements contribute in reducing the peak summer ambient temperature up to 1,7 K,
- Surface temperature of reflective pavements was up to 12,3 K lower than that of conventional pavement

Download English Version:

<https://daneshyari.com/en/article/6765307>

Download Persian Version:

<https://daneshyari.com/article/6765307>

[Daneshyari.com](https://daneshyari.com)