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Sent: Friday, April 21, 2023 4:34 AM
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Subject: SWC 2023 : Online Abstract submission



Dear Mr. Joel Goodman,

Greetings from the Organizing Committee of ISES Solar World Congress 2023!

Thank you very much for submitting your abstract entitled **THRU-REFLECTOR-WALL (TRW) NONIMAGING CONCENTRATOR SOLAR COOKER-KITCHEN BUILDING-INTEGRATED CONSTRUCTION STUDIES** for possible presentation at the **Solar World Congress 2023**, to be held from Oct 30th to Nov 04th, 2023 in New Delhi, India

We are pleased to inform you that your abstract has been successfully uploaded to the online portal. The submission details can be found below.

Also, make sure you submit your abstracts before the deadline. Drafts that have been saved but not submitted will not be considered for review.

The decision on the acceptance will be communicated to you by email.

Abstract details recorded by the Conference Secretariat are as following:

[Abstract Information](#)

Status : **Submitted**

Abstract
Reference ID : **SWC23_ABS_U5243**

Preferred
mode of
presentation : Poster Presentation

Theme : Rural Energy Supply

Sub-theme : solar cooking

Abstract Title : THRU-REFLECTOR-WALL (TRW) NONIMAGING
CONCENTRATOR SOLAR COOKER-KITCHEN
BUILDING-INTEGRATED CONSTRUCTION
STUDIES

Short
Summary of
your abstract : Building-integrated thru-reflector-wall (TRW) two-stage non-imaging concentrator solar cooker-kitchen construction feasibility studies have fixed reflector walls, funnel-boxes and an E/W lightweight portable vertical reflector manually re-positioned at noon mainly for the Torrid Zone for small-large cookware for cooks in kitchens without mechanical tracking, fluid plumbing/pumps and electronics. Kitchen studies for low-moderate seismic risk locations include: small houses, mid-size, large commercial, pergolas, and trailers/food carts; with various structural forms and materials (masonry, ferrocement, etc.). Portland cement damage to reflectors (flat glass silver mirror and aluminum) is discussed; and a TRW R&D proposed project outline includes: test stands and design-aid tools. TRW test stand measurements in Pandharpur, India, have started by Dr. A. Sagade. Keywords: thru-reflector-wall solar cooker, solar cooker-kitchens, building-integrated two-stage nonimaging concentrator, construction feasibility studies

Please use the above abstract reference ID for any future correspondence with our secretariat.

If you need any further assistance, please write to secretariat.swc2023@conferenceindia.in

Looking forward to welcome you at ISES SWC 2023 in New Delhi.

With best regards,

'ISES SWC 2023' Organizing Team!

SWC23_ABS_U5243

Presentation Type

:

Poster Presentation

Abstract Theme

:

Rural Energy Supply

Abstract Sub-theme

:

solar cooking

Abstract Title

:

THRU-REFLECTOR-WALL (TRW) NONIMAGING CONCENTRATOR SOLAR COOKER-KITCHEN BUILDING-INTEGRATED CONSTRUCTION STUDIES

Short Summary of your abstract

:

Building-integrated thru-reflector-wall (TRW) two-stage non-imaging concentrator solar cooker-kitchen construction feasibility studies have fixed reflector walls, funnel-boxes and an E/W lightweight portable vertical reflector manually re-positioned at noon mainly for the Torrid Zone for small-large cookware for cooks in kitchens without mechanical tracking, fluid plumbing/pumps and electronics. Kitchen studies for low-moderate seismic risk locations include: small houses, mid-size, large commercial, pergolas, and trailers/food carts; with various structural forms and materials (masonry, ferrocement, etc.). Portland cement damage to reflectors (flat glass silver mirror and aluminum) is discussed; and a TRW R&D proposed project outline includes: test stands and design-aid tools. TRW test stand measurements in Pandharpur, India, have started by Dr. A. Sagade. Keywords: thru-reflector-wall solar cooker,

solar cooker-kitchens, building-integrated two-stage nonimaging concentrator, construction feasibility studies

Abstract File (Pdf file)

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Abstract File (Word file)

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