ISES Solar World Congress (ISES SWC 2021)

Online
25 - 29 October 2021

Volume 1 of 2

ISBN: 978-1-7138-5565-1

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

Printed by Curran Associates, Inc. (2022)

International Solar Energy Society
Wiesentalstr. 50
79115 Freiburg
Germany

Phone: +49 761 459 06 0
Fax: +49 761 459 06 99

hq@ises.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Scientific Program

A-01. Results of Global or Regional Scenario Studies that reflect needed capacities, time horizons, and costs

A-02. Societal Changes/Perspectives/Issues

B-03. PV Manufacturing; Reliability

B-04. Recycling and Sustainable Material Usage;

C-01. Other Crystalline Solar Cells such as III-V, CdTe and CIGS

C-05. Heterostructures on other s.c

D-01. Agri Photovoltaics

D-02. Floating Photovoltaics

D-03. Building-Integrated Photovoltaics

D-04. Car-Integrated Photovoltaics

D-05. Infrastructure Photovoltaics

D-06. Wearable and Consumer Product-Integrated Photovoltaics

E-01. CSP and CST Systems

E-02. Hybrid Concepts

E-04. Solar Receivers and Heat Transfer Media

E-06. Solar Fuels and Chemicals

G-01. Integration of Variable Renewable Energy into large grids

G-04. Energy System Studies (Operation and Planning)

G-05. Power Systems

G-07. Smart Grids and Microgrids

G-09. Energy Economics, Markets and Policy

H-01. Solar Thermal and Hybrid Collectors

H-02. Thermal Energy Storage

H-03. Domestic Solar Water Heating and Combisystems, Innovative Components and/or Materials

H-04. Technical Characterization: Testing, Standards and Certification

H-06. Performance Measurement and Assessment

I-01. Hybrid Heating and Cooling Systems

I-02. District Heating

I-03. Heat for Industrial and Agricultural Processes

I-04. Solar Refrigeration and Air Conditioning

I-05. Solar Cooking and Food Processing

I-06. Disinfection, Decontamination, Separation of Industrial Process Water and Wastewater

J-01. Medium- and High-temperature Thermal Storage

J-02. Sensible / Latent / Thermochemical Materials and Storage Concepts

J-03. Long-term and Short-term Storage

J-04. Storage Applications

L-01. Renewable Resources Assessment

L-02. Solar Resource Models and Data

L-03. Solar Resource Measurements and Instrumentation

L-04. Solar Resource Management and Applications

L-05. Solar Resource Forecasting

M-01. Passive Solar

M-03. Building Integrated/ Added PV and Solar Thermal Systems

M-04. Zero-Energy or Plus-Energy Buildings/ Neighborhoods

M-05. Zero- or Low-Carbon Emission Buildings/Neighborhoods etc

M-06. Methods and Tools (to analyse the design of solar buildings and/or neighborhoods)

N-01. ISREE-14