

# Hongxin Photovoltaic Support Liu Jiafeng



## Overview

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The wind-induced response and vibration modes of the flexible photovoltaic (PV) modules support structures with different parameters were investigated by using wind tunnel based on elastic test model. This study involved the analysis of a photovoltaic power generation project in Hubei Province to compare differences in the structural loads of photovoltaic supports as outlined in Chinese. Abstract: Photovoltaic (PV) power generation is the most widely adopted renewable energy source. However, its inherent unpredictability poses considerable challenges to the management of power grids. To address the arduous and time-consuming training process of PV prediction models, which has been. Stay on top of your Business Credit File Get full access to view your D&B business credit file now for just \$39/month! Unlock more company and contact details with your D&B Hoovers Free Trial Find and prioritize your best prospects, boost your sales productivity, and win more deals with D&B. A public charity, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. © Copyright 2025 IEEE - All rights reserved, including rights for text and data mining and training of artificial intelligence and similar technologies. D student at CAD&CG state key laboratory, Zhejiang University under supervision of Prof. I love open-source and I am one of contributors of Taichi © 2022 Jiafeng Liu.

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### Mechanical Performance and Stress Redistribution Mechanisms in

This study involved the analysis of a photovoltaic power generation project in Hubei Province to compare differences in the structural loads of photovoltaic supports as outlined in ...

## Hongxin Liu Inventions, Patents and Patent Applications

Hongxin Liu has filed for patents to protect the following inventions. This listing includes patent applications that are pending as well as patents that have already been granted by the United States ...



### Experimental investigation on wind loads and wind-induced responses ...

In this study, a 45 m span flexible PV support structure with 3 spans and 12 rows was designed. The wind loads on PV panels were obtained by wind tunnel tests on a rigid model and the ...

## Title of paper

The wind-induced response and vibration modes of the flexible photovoltaic (PV) modules support structures with different parameters were investigated by using wind tunnel based on elastic test model.



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## An Improved Method for Photovoltaic Forecasting Model Training ...

To address the arduous and time-consuming training process of PV prediction models, which has been a major focus of prior research, an improved approach for PV prediction based on ...



**Jiafeng LIU , Harbin Institute of Technology, Harbin , HIT ,**



## Department

In this paper, a novel inductive support vector machine for semi-supervised learning, named IS3VM, is proposed, which aims to improve SVM by bootstrapping unlabeled data with self-training.

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## Hongxin Liu , IEEE Xplore Author Details

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## Jiafeng Liu's Homepage

I am currently a Ph.D student at CAD&CG state key laboratory, Zhejiang University under supervision of Prof. Weiwei Xu. My research interest includes physics-based animation and high-performance ...

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