

Special Issue

Selected Papers from GPVC Conferences

Message from the Guest Editors

At the core of the climate crisis lies excessive carbon emission from the continued use of fossil fuels. Therefore, in order to fight against the climate crisis, achieving carbon neutrality is no longer a declarative agenda, but a historic mission of this century, which calls for a drastically increased use of renewable energy sources. Photovoltaic technology, as one of the leading renewable energy technologies, has reached an annual global installation of almost 120 GW, and is in the spotlight as a new growth engine for the energy industry. Even stronger growth in the photovoltaic and related industries in the future is expected. Topics of interest include but are not limited to the following:

- Silicon solar cells and materials
- II-VI & Chalcogenide compound based cells and materials
- Quantum, Perovskite, Organic and Dye-sensitized solar cells
- Hybrid photovoltaics
- III-V compound-based concentrator and space PV systems
- PV components, modules, systems, reliability, standardization, markets and policy

Guest Editors

Prof. Dr. Eun-Chel Cho

School of Information and Communication Engineering, Sungkyunkwan University, Suwon 16419, Korea

Prof. Dr. Hongsub Jee

Department of Electrical and Computer Engineering, Sungkyunkwan University, Suwon 16419, Republic of Korea

Deadline for manuscript submissions

closed (5 December 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/86939

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)