



## Selected Papers from GPVC Conferences

Guest Editors:

**Prof. Dr. Eun-Chel Cho**

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

echo0211@skku.edu

**Dr. Hongsub Jee**

Department of Electrical and  
Computer Engineering,  
Sungkyunkwan University,  
Suwon 10027, Korea

hsjee@skku.edu

Deadline for manuscript  
submissions:

**20 November 2021**

### 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

