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# Large Area Solar Cells, LEDs and Photodetectors Based on Organometal Halide Perovskite

Guest Editor:

#### Dr. Francesco Di Giacomo

Centre for Hybrid and Organic Solar Energy, Department of Electronic Engineering, University of Rome Tor Vergata, Via del Politecnico 1, 00133 Rome, Italy

Deadline for manuscript submissions: closed (31 October 2020)

## Message from the Guest Editor

Organometal halide perovskites have attracted widespread interest in the research community thanks to their tunable optoelectronic properties. These semiconductors have found applications in solar cells, LEDs, and light detectors for visible light, as well as x-rays. In this SI, we aim to collect experimental and review papers on the scaling up of fabrication and on the large area characterization of perovskite-based devices. Particular focus will be given to the industrialization of the deposition of the perovskite layer itself, from ink formulation to fabrication via industrially viable techniques such as slot die, spray coating, ink-jet printing, blade coating, and thermal evaporation. Other relevant topics are the characterization and mapping of large-area samples that can be instrumental for inline metering during production and the patterning of the perovskite layer via laser patterning, digital printing, lithography or through novel methods. We welcome all papers that provide advancements towards the industrialization and automation of the production of perovskite-based devices by developing new deposition processes or new ink formulation that are industrially compatible.









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# **Editor-in-Chief**

#### Prof. Dr. Ai-Qun Liu

 Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

## Message from the Editor-in-Chief

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*Micromachines* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/micromachines micromachines@mdpi.com X@micromach\_mdpi