

# BIOPHOTONICS

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## WEBINARS

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## Quantum Efficiency Measurements: Fundamentals for Solar Cell Research, Part 1

**Tuesday, December 5, 2023 1:00 PM - 2:00 PM EST**

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### ∴ About This Webinar

In today's energy-challenged world, clean energy topics are increasingly important, particularly with solar cell designs reaching new efficiency breakthroughs. This webinar series shares the fundamental measurements for a quantum efficiency system and how they apply to the research and design of a solar cell.

Representatives from MKS Newport present an in-depth discussion of internal quantum efficiency (IQE), external quantum efficiency (EQE), and incident photon to charge carrier efficiency (IPCE). They also share a brief overview of clean energy demand, including the photovoltaics forecast and the effect on solar cell design. Specific requirements that are needed to take these measurements are discussed as well as the key challenges researchers run into during experimentation. Finally, they touch on a typical testing process in multiple equipment configurations. Join MKS Newport experts to learn and dig into the world of solar cell design measurements and how to set up a lab for success. Presented by [MKS Newport](#).



### Upcoming Webinars

- [High-Resolution Measurement of Film Thickness and Refractive Index for Silicon Photonics and Planar Waveguide Applications, 12/6/2023](#)  
1:00:00 PM EST

### Archived Webinars

- [Optimization of Surface Enhanced Spatially Offset Raman Spectroscopy for Applications in Pre-Clinical Cancer Imaging](#)
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