

# BIPHOTONICS

BRINGING LIGHT TO THE LIFE SCIENCES®

## WEBINARS

Join us for a **FREE Webinar**

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

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

[Register Now](#)

Presented by



### ∴ 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

- [The Etendue Mystery Revealed](#), 11/28/2023 10:00:00 AM EST
- [Design and Optimization of Optical Waveguides](#), 11/30/2023 2:00:00 PM EST
- [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](#)
- [Next-Generation Instrumentation for Optical Control and Characterization](#)
- [Mastering Diffraction Gratings: Selection and Integration Techniques for Analytical Instrumentation](#)

### Don't miss out!

Sign up for our [Webinar Alerts](#) email today and never miss an upcoming event.

We respect your time and privacy. You are receiving this email because you are a Photonics Spectra magazine subscriber. You may use the links below to manage your subscriptions or contact us.

Questions: [info@photonics.com](mailto:info@photonics.com)

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949

© 1996 - 2023 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office. Reproduction in whole or in part without permission is prohibited.