

**January 16<sup>th</sup>, 2018**  
**2-3 PM**  
**Building 4, Room 163**  
**MIT, 77 Massachusetts Avenue, Cambridge, MA, 02138**  
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**PALOMAKI**CONSULTING  
solving BIG problems at the nanoscale

## **Next-Generation Quantum Dot Technologies**

*Peter Palomaki, Ph.D.*

Quantum dots (QDs) have recently seen tremendous commercial success due to the advent of displays utilizing QD color-converting technology for improvements of viewer experience and energy efficiency. We are only exposing the tip of the iceberg, however, as there will be numerous advancements in the coming years. QD-containing polymer films have become the dominant form factor in QD-enabled displays, but competing technologies such as QD color filter replacements, QDs on LEDs, and electroluminescent QD devices are making tremendous progress. Implementation strategies and technical hurdles for QDs in next-generation displays and other advanced technologies will be covered.

Peter Palomaki is the owner and chief scientist at Palomaki Consulting, a firm offering technical research, writing, and consulting services to companies from start-ups to fortune 500s. Specialties include quantum dots, nanomaterials, and surface chemistry. Prior to founding Palomaki Consulting, Peter was a senior chemist at QD Vision. Peter draws on his technical expertise and deep network in academia, industry, start-ups, and SBIR research to help clients overcome technical hurdles when implementing new nanomaterial technologies. He frequently writes and speaks about quantum dots and other nanotechnologies that impacts our lives. For more info visit [www.palomakiconsulting.com](http://www.palomakiconsulting.com)