

iMID 2018

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Exhibitor Introduction	<p>Our research institute located in Gangwon-do and was established in 2005. Now we are conducting R&D to apply quantum dot synthesis and its various field. Based on the results of our R&D, we provide a platform of technical support and analysis for attracted companies. Furthermore, we have the goal of providing companies with mass production technologies needed for commercialization by improving / validating existing infrastructure and equipment. As a result of these commercialization and sales, plays a role as a technical research institute to revitalize regional economies.</p>
Exhibit Description	<p>We will demonstrate Lighting & display technologies at this exhibition using by quantum dot film based on quantum dot powder technology with high stability and high luminescence maintenance characteristics. Quantum dot is called a nanometer-sized photo-conversion material and can control the wavelength and the half-width of the light that is converted according to the synthesis condition. By applying the quantum dot film to the display structure, we achieved improvement effect of the wider color gamut. With this result, we are able to experience the color which has more vivid and nearly natural visibility. In addition, by applying quantum dot film to LED lightings, we produced natural light illumination with high CRI property. And now, we will present a new way of advancing in the next generation quantum dot application technologies.</p>
Exhibit Product	<ul style="list-style-type: none">- Quantum Dot Film Display- Quantum Dot Colloids & Powder & Film & Pellets- Quantum Dot Lightings