

R.I.T.

College of Science

*Chester F. Carlson*

Center for **IMAGING** SCIENCE  
Seminar Series

# RGB to RGBW Conversion for OLED: An Evolving Strategy

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While in its infancy, Organic Light-Emitting Diode (OLED) technology is poised to revolutionize the display and lighting markets. An introductory overview of this technology and a description of a potential display architecture employing white OLEDs with an RGBW color filter array will be provided. The majority of the talk will focus on the evolution of image science methods for converting RGB input signals to signals for driving an array of RGBW OLED subpixels to provide high luminance images with high efficiency and accurate color.

**4pm, Wed, Feb. 18, 2009**

**Auditorium of the Center for Imaging Science**

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