

Color and Appearance of Coatings

Tuesday, January 10, 2017

8:30 AM - 3:00 PM, TBA

University of MN, Twin Cities East Bank Campus

Description

This workshop focuses on color and appearance in coatings. Presentations include topics related to color science such as the physics of color, characterization tools, and pigments and dispersions, as well as other appearance issues such as texture, reflective properties and defects.

Workshop Schedule

8:00 AM *Check-in begins (light breakfast served)*

8:30 AM **Welcome**

Lorraine Francis, CPF program co-leader

Bob Lewis, IPRIME Tech Transfer Director

8:45 AM **How Technology Allows us to Measure the Color and Appearance of Coatings**

Dr. Danny Rich, Senior Color Physicist, Sun Chemical

9:45 AM **Effect of Coating Stress on Appearance**

Prof. Lorraine Francis, Department of Chemical Engineering and Materials Science,
University of Minnesota

10:15 AM *Morning break, refreshments served*

10:45 AM **Texture and Appearance Driven by Rheology and Cure Kinetics**

Dr. Keith Kirkwood, Scientist and Materials Science Leader, Valspar Corporation

11:15 AM **Color Considerations in a Highly Alkaline Institutional Laundry Detergent**

Dr. Katie Hurley, Principal Chemist, Ecolab On Premise Laundry Group

11:45 AM **Engineering Color with Nanostructures**

Prof. Vivian Ferry, Department of Chemical Engineering and Materials Science, University
of Minnesota

12:15 PM *Lunch & Discussion (Box lunch provided for industry & faculty)*

1:00 PM **Color as a CTQ (Critical-to-Quality) Property in the Development and Production of Coatings**

Dr. Danny Rich, Senior Color Physicist, Sun Chemical

1:45 PM **Practical Observations Related to the Measurement and Control of Color of Coatings and Colorants**

Dr. Scott Crump, Director, R&D, Interplastic Corporation

2:15 PM **Computer Graphic Modeling and Simulation of Effect Paints**

Prof. Gary Meyer, Department of Computer Science, University of Minnesota

3:00 PM **Closing Remarks**