



**SONOCO**  
**INSTITUTE**  
CLEMSON® UNIVERSITY

## Expanded Color Gamut Seminar

Location: Harris A. Smith Auditorium

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Day 1

**8:30 Program Overview and Introductions**

**9:00 An In-Depth Look at Equinox Expanded Color Gamut**

Top level overview of the benefits and current practices in fixed ink set printing and expanded gamut.

**10:00 Steps to Expanded Gamut**

What does it take to implement and be successful with expanded gamut printing?

10:30 Break

**10:45 Understanding LAB and LCH**

Color measurement and communication is critical for accurate printing. Understand the basics of how color and color differences are measured.

12:00 Lunch

**1:00 Inks and Curve Specs**

Learn the common specifications for both ink color and tone value curves in order to achieve accurate and repeatable print.

2:15 Break

**2:30 Breakout Session: Characterization Press Run and Process Control**

Print sequential 7-color characterization charts.

**3:30 Breakout Session: Measure Color Profile Tools and Theory**

Measure and discuss resulting print from characterization run.

5:00 End Day

5:30 Group Dinner

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## Day 2

**8:30 Curves and Profiles for Expanded Gamut**

Creating compensation curves to match aim curves and creating your 7-color profile.

10:30 Break

**10:45 ECG Image and Vector Conversion Overview**

Demonstration of how to use tools for converting images and vector graphics using the profile and color conversion strategies.

**11:20 Design Considerations**

Strategies for color separation and other prepress considerations.

12:00 Lunch

**1:00 Breakout Session: Hands-On Vector and Image Conversions**

Try your hand at separating various images and files for expanded gamut.

3:00 Break

**3:15 Breakout Session: Press Optimization**

ECG printing requires extra attention to minimum dots and print quality. Recap steps for optimizing press variables.

**4:15 Proofing for ECG**

How to use color profiles and conversion strategies with the latest inkjet technology.

5:00 End of Day

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## Day 3

**8:30 ECG Sequence Summary**

Attendee-driven review of the ECG setup workflow.

**9:45 Review RIP Files**

Examine color separations for ECG and CMYK before printing.

9:55 Break

**10:00 Print Final Production Job**

Print fully separated 7-color ECG job.

**10:45 Production Job Assessment**

Compare spot color accuracy between final job and dependent color book.

11:30 Evaluations and Adjourn