



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

## Intro to Prepress Workshop

Location: Harris A. Smith Fishbowl

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### Day 1

**9:00 Introduction and Print/Prepress Overview**

Printing overview and flexography, prepress terminology and review of first print job.

**10:00 Flexo Press Setup**

Setup flexo stations on the press, set impression and measure color.

**11:15 Print Initial Job and Analysis**

Regular, over-impressed and out-of-register.

12:00 Lunch

**1:00 Color Primer**

Review color spaces (RGB, CMYK, Lab), visual color differences,  $\Delta E$  and spectrophotometry.

**2:00 Fingerprinting and Characterization**

Test targets and develop specifications.

**2:30 Profile Generation and Evaluation**

Measure with X-Rite iO table, profile generation and evaluation, profile comparison and gamut check.

3:00 Break

**3:15 Profiles for Proofing and Monitors**

Setting up a proofer and monitor calibration.

**4:00 Color Separation**

UCR/GCR and converting with profiles, separation strategies and an example separations activity.

5:00 End of Day & Group Dinner.

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## Day 2

**8:30 Color Separation (Continued)**

**9:15 Trapping**

Strategies and parameters, methods (manual vs. automatic) and an example logo trapping activity.

**10:00 Barcodes**

Types of barcodes and parameters (BWR, magnifications, etc.).

10:15 Break

**10:30 Designing in 3D**

Reading duelings, bleed and no-print zones, and designing in 3D space.

12:00 Lunch

**1:00 Begin Prepress on Job**

Begin individual prepress work for final day run.

3:00 Break

**3:15 Selected Topics**

Explore topics selected by attendees: software, new tech, etc.

**3:45 Complete Prepress on Job**

5:00 End of Day

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## Day 3

**8:30 Final File Preparation**

**9:15 Step and Repeat**

Stepping methods, printer marks and create step-and-repeat for final job activity.

**9:45 Screening and RIP**

Screening, RIP parameters and setup, and RIP files for final job activity.

10:30 Break

**10:45 Platemaking Basics**

Plate structures, imaging, exposure and processing.

**11:30 Plate Mounting**

Mounting techniques and stickyback.

12:00 Lunch

**1:00 Review Files and Proof**

Recap of learning activities, analysis of prepared files and proof.

**1:45 Print Final Job**

Set up press and print final job (regular, over-impressed and out-of-register).

**3:00 Review Print Job**

Measurements, analyze print and discuss affects of prepress.

**4:15 Open Lab and Q&A**

Open lab time with various attendee-selected topics.

5:00 Evaluations and Adjourn