Advanced Techniques in Flexography Workshop

Location: Sonoco Institute

Day 1

1:00  Introductions & Program Orientation
      Agenda, goals and process overview.

1:30  Presentation: Tone Control
      Halftones, dot gain, curves, gray balance.

2:45  Break

3:00  Hands-On: Measure P2P
      Measure P2P, generate curve set.

4:00  Hands-On: Output Characterization for Platemaking

4:15  Hands-On: Platemaking

5:00  End of Day
Day 2

8:30 Hands-On: 4C Characterization
Mount plates, match press parameters, collect samples.

9:30 Presentation: Process Color Reproduction
CMYK, device dependent color, color separation.

10:15 Break

10:30 Presentation: CIELab, Color Measurement, Near Neutral Calibration
L*a*b*, color gamut, device independent color, NNC and G7®.

11:30 Hands-On: Measure IT8 Charts

12:00 Lunch

1:00 Hands-On: Profile Creation
Verify curves, analyze data, average data, build profiles.

2:00 Hands-On: Image Color Separation
Convert using profiles, assemble print file.

3:00 Break

3:15 Hands-On: Digital Imaging and Platemaking
Output files and begin platemaking.

4:00 Discussion: Review Process
Recap process and plan for final print run.
Day 3

8:30  Presentation: Color Proofing
      Software and hardware requirements, calibration, process.

9:45  Hands-On: Create Inkjet Color Proof
      Create inkjet proof of final job.

10:15 Break

10:30 Hands-On: Verify Proof
      Verify proof against profile.

11:15 Hands-On: Mount Plates and Prepare Press

12:00 Lunch

1:00  Hands-On: Print Final 4C Job

2:00  Hands-On: Proof-to-Press Analysis
      Compare proof to final print.

2:45  Q&A, Course Evaluation, Certificates

3:00  End of Course