

2010 TAPPI Extrusion Coating Course
Tentative Schedule

Tuesday, August 24, 2010
8:00 a.m. – 5:30 p.m.

Introduction & Welcome 8:00
John Ceranski – Coating Excellence

Intro to Product Structures 8:20-9:10
Scott B. Marks – Dupont

Extrusion Coating of Polyethylene and Polypropylene 9:10-10:00
Kelly Frey – Chevron Phillips

Break

Specialty Resins for Extrusion Coatings & Films 10:20-11:10
Scott B. Marks

PLA/PHA Processing Tips & Product Market 11:10-12:00
John Moore - DaniMer

Lunch

Extruder and Screws 1:00-1:50
Lou Piffer – Davis Standard

Extrusion Coating & Laminating 1:50-2:40
Beth Foederer - Optex Process Solutions

Break

Machine Audit Plan to Provide Bio-Resin Capability 3:00-3:50
Beth Foederer

Extrusion Coating Substrates 3:50-4:40
Kelly Frey

Case Studies for Sustainability in Packaging 4:40-5:00
John Ceranski – Coating Excellence International

5:30 p.m. – 6:30 p.m.
Networking Social Hour

Wednesday, August 25, 2010
8:00 a.m. – 5:00 p.m.

8:00 a.m. Paper and Board Manufacture and Properties Workshop
Charles P. Klass - Klass Associates Inc.

8:00 a.m. – 8:30 a.m.
Welcome, course learning objectives, introductions.
Overview and terminology of Paper & Board Grades that are PE extruded.

8:30 – 9:15 a.m. **Properties of Paper & Paperboard Grades Used for Extrusion Coating**

- Mechanical properties (strength, stiffness)
- Surface & bulk properties (smoothness, porosity, adhesion)
- Dimensional stability (curl)
- Surface friction

9:15 – 9:30 a.m. **Break**

9:30 – 10:45 **Paper & Board Manufacturing Variables That Impact Extrusion Coating**

- Non fibrous internal additives affecting PE adhesion
- Coated paper & board additives affecting PE adhesion
- Stock prep refining effects
- Recycled furnish
- Paper Machine Operations

10:45 a.m. – 11:30 a.m.
Trends and New Developments

- Corona treatments
- Repulpable & recyclable resins
- Adhesion to metal films and other substances

11:30 a.m. – 11:45 a.m.
General group discussion

11:45 a.m. – 12:00 p.m. **Wrap up & evaluations**

Lunch

Online Gauging of Extrusion Coating Process 1:00-1:50
Ted Schnackertz

Managing Corona & Plasma Systems 101 1:50-2:40
Rory Wolf - Enercon

Break

Challenges of Web Handling & Winding 3:00-4:15
Duane Smith – Davis Standard

It Ran Fine the Last Time, What's Different? 4:15-5:00
John L. Kelley –JLK Consulting, LLC.

5:30 p.m. Group Activity

Thursday, August 26, 2010
8:00 a.m. – 3:30 p.m.

Primer Technology 8:00-8:50
Robert Hammond - MICA

Extrusion Coating Dies & Feedblocks 8:50-9:40
Gary Oliver - Extrusion Dies Ind. LLC

Break

Coextrusion 10:00-10:50
Gary Oliver

Gel Troubleshooting 10:50-11:40
Lou Piffer

Lunch

The Theory & Practice of Extruder System Purging 1:00-1:50
Scott B. Marks

Preventive Maintenance 1:50-2:40
John L. Kelley

Break

Safety & the Extrusion Coating Process 2:40-3:30
John Kelley