

2013 NPIRI Summer Course Program
Printing Ink Technology
July 14 - 19, 2013

Date	Time	Tab	Lecture	Location	Duration	Speaker
PASTE						
Sun.	5:00p		Pre-presentation Dinner	HI		
7/14	6:30p	01a	Introduction, Review of Syllabus	HI	½	NAPIM
	7:00p	01b	Industry Status 2011 & Printing Processes *	HI	1	NAPIM
PASTE						
Mon.	8:00a	02	Lithographic Print Process	FVBC	1	Dan Delegge
7/15	9:00a	03	Litho Paste Ink Vehicle Composition	FVBC	1	David Aynessazian
	10:00a	04	Litho Paste Ink Composition	FVBC	1½	Dan Delegge
	11:30a	05	Energy Curable Paste Inks – Part I	FVBC	1	Ros Waldo
	12:30p		LUNCH	FVBC	1	
	1:30p	05	Energy Curable Paste Inks – Part II	FVBC	1	Ros Waldo
	2:30p	06a	Offset Prepress	FVBC	½	Dale Drake
	3:00p	06b	Offset Press Demo	FVBC	1½	Dale Drake
	4:30p	06c	Variable Print Demo	FVBC	1½	Ron Jape
	6:30p		DINNER	HI		
PASTE/LIQUID PM						
Tues.	7:45a	07	Substrates – Paper Properties & Printability	FVBC	1½	Jim Niemiec
7/16	9:15a	08	Fountain Solution & Press Room Chemicals	FVBC	1½	Victor Lewis
	10:45a	09	Formulating Litho Inks & Vehicles	FVBC	1	Delegge & Aynessazian
	11:30a		LUNCH	FVBC	¾	
	12:15p	10a	Viscosity Demo	FVBC	1	Dave Jacobson
	1:15p	10b	Printability and Proofing Demo	FVBC	¾	Tom Klepper
	2:00p	10c	Inkometer Tack Measurements Demo	FVBC	¾	Dean Kershaw
	2:45p		PAPER MILL TOUR		2¼	
	6:00p	11	Repeat of Intro for Liquid Ink Attendees	HI	1½	NAPIM
	6:30p		COMBINED PASTE & FLUID ATTENDEES DINNER	HI		
PASTE/LIQUID						
Wed.	8:00a	12	Principles of Rheology & Practical Applications	FVBC	1½	Charlie Hsu
7/17	9:30a	13	Organic/Inorganic Pigments, Metallic & Special Effect Colorants	FVBC	2	Matt McClure
	11:30a		GROUP PHOTO	FVBC	¼	
	12:00p		LUNCH		1	
	1:00p	14	Regulatory Overview for Ink Manufacturers	FVBC	½	George Fuchs
	1:30p	15	Fundamentals of Carbon Black	FVBC	½	John Foster
	2:00p	16	Introduction to Color Matching and Color Management	FVBC	1½	Dale Drake
	3:45p	17	Principles of Dispersion	FVBC	1	Lisa Fine
	5:00p	18	Manufacturing Dispersions for Paste & Fluid Inks – QC	FVBC	1	Lisa Fine
	6:00p		OPEN EVENING – DINNER ON YOUR OWN			
LIQUID						
Thurs.	8:00a	19	Flexo & Gravure Printing, Lamination, Converting Processes	FVBC	1¾	Brian Chwierut
7/18	9:30a	20	Flexo & Gravure Solvent Vehicle Composition	FVBC	1	Shailesh Shah
	10:30a	21	Flexo & Gravure Water Based Ink & Vehicle Composition	FVBC	1½	Shailesh Shah
	12:00p		LUNCH	FVBC	¾	
	1:00p	22	Energy Curable Fluid Inks	FVBC	1½	Shailesh Shah
	2:30p	23a	Flexo Press Demos			
	2:30p	23b	PCMC Wide Web Flexo Press Run	FVBC	1½	Mark Keller
	4:00p	23c	Grant Corrugated Press Run	FVBC	1½	Dan Muthig
	6:00p		DINNER	HI		
LIQUID						
Fri.	7:30a	24a	Flexographic Plate Making	FVBC	¾	Mark Keller
7/19	8:15a	24b	Flexographic Plate Mounting	FVBC	¾	Dan Muthig
	9:00a	24c	Proofing & Printability Demo	FVBC	¾	Tom Klepper
	9:45a	25	Substrates for Surface & Reverse Printing and Lamination	FVBC	1½	Kim Kroncke
	11:15a	26	Flexo & Gravure Ink Composition	FVBC	1½	Brian Chwierut
	12:45p		LUNCH		¾	
	1:30p	27	Formulating Flexo & Gravure Vehicles and Inks	FVBC	1	Kroncke & Chwierut
	2:30p	28	Flexo & Gravure Ink Testing	FVBC	1	Kroncke & Chwierut
	3:30p		END			

HI = Holiday Inn

FVBC = Fox Valley Bordini Center

* Repeated for Liquid Group upon arrival on Tuesday PM