



THE SHOW DAILY

TUESDAY OCTOBER 18th, 2016

TODAY'S SCHEDULE	7am - 12pm	Registration	Venetian Foyer	
	7am - 8:30am	Breakfast	Ponce de Leon Ballroom	
	8am - 8:30am	GENERAL SESSIONS	2017 Strategic Plan Introduction	Venetian Ballroom
	8:30am - 10am		Speaker: Alan Beaulieu - <i>The Economy</i>	Venetian Ballroom
	10am - 10:30am		Break	Venetian Foyer
	10:30am - 12pm		Speaker: Anne Johnson - <i>Sustainability Trends in Packaging: What You Need to Know to Future Proof Your Business</i>	Venetian Ballroom
	12:15pm - 1:30pm		Networking Lunch with Speaker: Corey Reardon - <i>Labeling & Product Decoration Market Growth & Dynamics</i>	Mediterranean Ballroom
	2pm - 5pm		Tennis Tournament	The Breakers Tennis Courts
	2pm - 4pm	Historic Palm Beach Bike Tour	Ponce Porte Cochere	
	6:30pm - 7:30pm	Cocktail Reception	Mediterranean Courtyard	
	7:30pm - 12am	Awards Dinner	Venetian Ballroom	

FUN FACTS WITH THE TLMI STAFF:

Bridgette Bailey, Neisha Johnson & Sarah Perkins are all new to the TLMI members, so we asked them some weird questions and some fun facts from them to help members get to know them better.

BRIDGETTE BAILEY

Office Manager, bridgette.bailey@tlmi.com

What was the first concert you attended? **Rick Springfield.** • If you were stuck on a deserted island, what three things would you bring? • **A man, beer and water for the dehydration from the beer.** • What is the first thing that you would buy if you won the lottery? **A car. I'm practical. A Ford Explorer and a Dodge Hellcat.** • Do you have any pets? **I have a Shih Tzu.** • A penguin walks through the door wearing a sombrero. What does he say? **"I thought it was Cinco De Mayo!"** • What super power would you like to have? **I would be Samantha Stevens from Bewitched: wriggle my nose and get things done!** • If you were to get rid of one state in the US, which would it be and why? **Don't go there...There are two Dakotas and I was raised in one of them (the North one).**



SARAH PERKINS

Marketing & Communications Manager, sarah.perkins@tlmi.com

What is your least favorite food? **Bananas. They're the worst!** • If you could have lunch with any historical figure dead or alive who would it be? • **Amelia Earhart.**

• Do you have any hobbies? **Falconry/training and flying birds of prey and sewing.** • Do you have any pets? **A chocolate lab named Stella.**

• A penguin walks through the door wearing a sombrero. What does he say?

Come on Penguins don't speak English! • What super power would you like

to have? **Flight, and time travel.** • What animal would you be? **A Red-tailed Hawk for sure because I adapt easily and I love the taste of squirrel.** ← Just Kidding!



NEISHA JOHNSON

Membership & Program Manager, neisha.johnson@tlmi.com

What is the last book you read? **"Many Waters" by Madeline L'Engle** • If you

they made a movie out of your life, who would play you? • **Leslie Jones,**

because I'm secretly hilarious. • A penguin walks through the door wearing a sombrero. What does he say? Why is he there? **He asks "Are you a fan of queso?" and he's there to go on vacation with me!**

• Where were you born?

Milwaukee, Wisconsin (Go Pack Go!) • If you were to get rid of one state in

the US, which would it be and why? **I'd get rid of Texas just to spite them, but**

I always thought that tectonic plates would have gotten rid of California by now. • What is the first thing that you would buy if you won the lottery? **I assume they're bringing me the check around noon, so lunch!**

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TECHNOTES

UV-LED: the time is now...UV LED is an alternative curing technique to mercury curing which is primarily used today to cure UV inks. UV LED is an abbreviation for UltraViolet Light Emitting Diode. It offers significant advantages over mercury curing.

Curing Mechanism: UV curing with a LED lamp occurs the same way as when using a standard mercury lamp. The ink, coating or adhesive, when exposed to the UV lamp causes a polymerization reaction to occur. UV curing ink will only cure when it is exposed to the UV light. In this case, the oligomers and monomers react with the photoinitiators and a crosslink reaction begins. If there is not enough light, only surface cure will be achieved, which can result in poor adhesion. The choice of pigment will affect the choice of photoinitiators, as they will compete to absorb the UV light.

Formulation Considerations: When creating a robust UV LED system, the formulation of the ink/coating is, in many respects, even more critical to success in creating a good cure rate than the light source selection. Cure rate is a function of not only the

amount of UV energy, but also how well matched that UV energy is to the spectral response of the photoinitiator used in the formulation. But it doesn't stop there; the photoinitiator is just one small component of the material, which also contains oligomers (pigments) and monomers. In fact, the photoinitiator makes up only a small percentage of the UV system (typically 0.5-10%). The photoinitiator or photoinitiator blend plays the pivotal role determining the cure rate, but oligomer and monomer selection are also important factors. EkoCure, UV LED ink-technology is based on a carefully selected combination of newly developed photoinitiators, and work with a range of UV LED light sources.

Deeper Curing with LED: UV LED light with its high peak irradiance, and UV-A and visible light emission, provides a deeper penetrating light source. This provides advantages to cure thicker films (such as screen printing) and darker more opaque colours (such as blacks and opaque whites). This will enable printers that are doing combination printing to print faster speeds with more assuredness of cure and adhesion.

LED lamp advantages: There are many advantages to using LED lamps. These can be split into economical and environmental advantages.

Economic/Productivity/Expanded Capability Advantages:

- Press UPTIME: less equipment faults, presses run longer and without lamp faults, higher certainty of cure with inks from process.
- Faster cure/higher productivity: better UV curing allows for faster speeds and more combination printing.
- Energy Efficient: UV LED lamps require ~ 50% less energy thereby saving money.

Environmental & Safety Advantages:

- Removes toxic mercury from the process and thus no need to deal with hazardous waste disposal of lamps.
- Removes ozone generation since there is no UV-C light output from lamp - ozone is a respiratory hazard and pollutant.
- Lamps are not hot to touch and thus are safer.

For more advantages visit: www.flintgrp.com

NARROW WEB

The Future of UV LED printing is NOW! Flint Group provides a range of products for LED curing under EkoCure™ brand name:

EkoCure™ F: UV LED UV Flexo system, Available in a full range of colours and pigment selection

EkoCure™ SN: UV LED UV Rotary Screen Opaque Whites, UV LED Rotary Screen Colours

EkoCure™ ANACORA: UV Flexo LED Low Migration/Food Packaging Compliant inks

Other Products:

UV Flexo Coatings - gloss, matte, TTR, Cast and Cure, & Primer

UV Lamination/PSA and Cold Foil Adhesives

UV EBONY Black - density > 2.0

UV Flexo Shrink Whites (high and low COF)

UV Flexo Metallics (silver and gold range)

Any products which are available for traditional UV curing today can be converted to this technology!