

# Toronto Society for Coatings Technology

March 2008 Newsletter



## TOSCOT Technical Symposium

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Date and time: Monday, April 7, 2008, 11:00am registration  
Location: Airport Marriott, 901 Dixon Road (at Carlingview)  
Parking available and included

|   |       |
|---|-------|
| Members and non-members, not pre-registered | \$120 |
| Pre-registered members and non-members      | \$100 |
| Retirees and students                       | \$60  |

**Space is limited so pre-register today by emailing [meeting@toscot.org](mailto:meeting@toscot.org)**

The TOSCOT 2008 Technical Symposium will encompass the new technological aspects of the four major food groups of paints and coatings: pigments, binder, carrier, and additives. Exciting new developments will be presented and open to query. In addition, there will be a lunchtime address about the current climate in Canada surrounding VOC regulation.

**For information on Sponsorship Opportunities at the Technical Symposium see page 5 and contact [Mike Cadden](#) or [Jake Jevric](#).**

### Schedule

|                 |  |
|-----------------|--|
| 11:00am—11:30am | REGISTRATION   |
| 11:30am—12:30pm | LUNCH—Lunchtime Speaker (**Just Added**): Cathy Campbell, Executive Director, Canadian Association of Chemical Distributors (CACD)Topic: The current VOC climate in Canada |
| 12:30pm—1:30pm  | Ana Maria Fernandez, Cognis Corporation<br>Topic: Innovative Surfactant Solutions for Emulsion Polymerization  |
| 1:30pm—2:30pm   | Daniel Goldberg, Evonik Degussa Corporation<br>Topic: INXEL™ Easily Dispersible Pigment Preparations   |
| 2:30pm—2:45pm   | BREAK  |
| 2:45pm—3:45pm   | Carl Sullivan, Reichhold<br>Topic: Zero VOC Alkyd Latex: Surpassing VOC Requirements in Architectural Applications   |
| 3:45pm—4:30pm   | J. Douglas Booton, Eastman Chemical Company<br>Topic: Current Issues in Solvent Technology   |

For Abstracts and Bios see pages 2—4 of this newsletter.

**TOSCOT Mailing Address: TOSCOT, 6855 Airport Road, Suite 208, Mississauga, ON L4V 1Y9**  
**E-mail: [feedback@toscot.org](mailto:feedback@toscot.org) GST #R128477973**  
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# Abstracts & Bios

## *The Current VOC Climate in Canada*

**Bio:** Cathy Campbell has been with the Canadian Association of Chemical Distributors for over 11 years. She started at CACD in 1997 as a Member Service Coordinator and made her rise through the organization to the position she holds today of Executive Director. She was the first full time employee in the association's history. When she started there were 34 member companies and the association has grown to 54 member companies today.

## *Innovative Surfactant Solutions for Emulsion Polymerization*

**Abstract:** Surfactants are critical additives extensively used in emulsion polymerization. The use of an appropriate surfactant package during the polymerization process and formulation of latexes is critical to obtain coatings with desirable chemical, physical properties and performance. The focus of this work is to provide innovative solutions to effectively use green anionic and nonionic surfactants as alternatives to alkyl phenol based products. Application examples during polymerization of acrylic polymers as well as recommendations for post polymerization stabilization applications will be provided.

**Bio:** Ana Maria Fernandez holds master and pH D degrees in polymer science and engineering from Lehigh University. She is responsible for the development and technical service of surfactants and specialty monomers for the NAFTA region at Cognis Corporation. She has held positions in R&D for adhesives and coatings as well as positions in technical service for specialty surfactants and monomers. Ana Maria's interest in green surfactants for emulsion polymerization and polymer dispersions has resulted in the development of new products as well as in the publication of several papers and patents.

## *INXEL™ Easily Dispersible Pigment Preparations*

**Abstract:** In the preparation of pigmented coating systems, powdered pigments are typically used. The common practice for dispersion of these pigments requires a wetout step followed by extensive milling under high shear conditions. This process is time consuming and if the pigment is not properly dispersed can result in poor color development or stability problems. Also, the use of powdered pigments can be a dust nuisance.

A new production process has been developed allowing the preparation of dust free stir-in pigment granules. These pigments can be incorporated directly into solvent or a blend of resin and solvent, using a mixer equipped with a dissolver blade. Therefore, milling of the pigment is no longer necessary saving substantial preparation time.

In addition, many liquid pre-dispersed pigment preparations are only compatible with a limited number of solvents or resins. The resin matrix used to generate these new preparations is soluble in most common solvents and compatible with many coating raw materials. In this presentation the production process and benefits of these new stir-in pigment preparations will be presented.



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# Abstracts & Bios continued

## INXEL™ Easily Dispersible Pigment Preparations

**Bio:** Daniel Goldberg received a BS in Chemistry from West Chester University and an MBA from Rider University. Prior to joining Evonik Degussa Corporation, Dan worked on the development of rheological additives, anticavitation coatings, and polyester polyols and polymers for coating and plastic applications. Dan is the author of numerous papers and holds a number of patents, and is located at Evonik Degussa's Inorganic Materials Technical Center in Piscataway, N.J.

In 2002, Dan joined Evonik Degussa Corporation as Manager Technical Marketing Coatings NAFTA for the company's Inorganic Materials business unit. Dan is responsible for Pigment Black in coating applications, ACEMAT® matting agents and INXEL™ pigment preparations, for the NAFTA region.

## Zero VOC Alkyd Latex - Surpassing VOC Requirements in Architectural Applications

**Abstract:** Waterborne alkyd latex products offer the unique capability of providing the benefits of alkyd resins at VOC levels that are well below current requirements for architectural coatings. In addition, alkyd latex products that use water only as a carrier – no organic solvent – are inherently zero VOC and therefore enable coating formulators to develop products that are well ahead of future regulations. The versatility of alkyd latex binders across a range of PVCs is highlighted. Performance relative to a commercial flat acrylic paint formula and comparisons to commercial primers are provided. High gloss trim enamels with less than 50 g/l VOC can be formulated with alkyd latex products. Performance of these prototype coating formulations is benchmarked against commercially available acrylic latex gloss enamels. In addition, comparison to a solvent borne alkyd high gloss trim enamel is provided. Overall good performance is attained with the alkyd latex prototype formula while VOCs remain well below current and pending regulatory requirements.

**Bio:** Carl Sullivan is currently the Technology Director with responsibility for new product development and technical services for Reichhold's Coatings Resins. Dr. Sullivan received a Ph.D. in Polymer Science and Engineering from the University of Massachusetts at Amherst in 1985. Prior to joining Reichhold in 2003, Dr. Sullivan was formerly employed at Bayer Corporation, RUCO Polymers and Lyondell Chemical. Dr. Sullivan holds five US patents and has over thirty publications or presentations in the coatings and composites technology fields.

Carl Sullivan is currently the Technology Director with responsibility for R&D for Reichhold's Coatings Resins. Dr. Sullivan received a Ph.D. in Polymer Science and Engineering from the University of Massachusetts at Amherst in 1985 and a BS in Chemistry from Ursinus College, PA in 1980.

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# Abstracts & Bios continued

## Current Issues in Solvent Technology

**Abstract:** Regulations, VOCs, consumer perceptions, healthier environments; these are the factors keeping paint formulators busy searching for alternatives. Xylene/Toluene replacements, solvent efficiency, listing/delisting have become the daily subjects in almost every laboratory throughout the industry. During this presentation, we will discuss these topics and how Eastman's solvents and coalescents can help address these current coating issues.

**Bio:** Doug has been at Eastman Chemical Company for 15 years, working with waterborne resins for the first 10 years. He is currently a Technical Service Representative for Eastman's Specialty Coating Additives which supports their solvents, coalescents, cellulose esters, and adhesion promoter product lines. He holds undergraduate degrees in plastics engineering technology and management and a MBA from East Tennessee State University.

## Program Dates 2008

Below are some tentative dates for our events over the course of 2007/2008. Note that dates are subject to change upon confirmation. Details for all meetings will follow in future monthly newsletters.

May 5th—Annual General Meeting

Speaker: BYK

June 10th—Annual TOSCOT Golf Tournament **\*\*\*NEW DATE\*\*\***

## Advance Meeting Registration

TOSCOT is pleased to announce that all members will qualify for a door prize when you pre-register for the monthly meeting.

All you have to do is send an e-mail to [meeting@toscot.org](mailto:meeting@toscot.org) and let us know that you will be attending and you will be automatically qualified!

Please remember to include your name, company, along with any guests names (and their respective companies). If you have any questions do not hesitate to contact us.

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# TOSCOT Technical Symposium—Sponsorship Opportunities

TOSCOT is pleased to announce the availability for advertising your company at our Technical Symposium being held on Monday April 7, 2008 at the Airport Marriott Hotel on Dixon Road.

Please review our rates for advertising and contact [Jake Jevric](#) or [Mike Cadden](#) if you have any questions regarding this opportunity.

## **Full table display** **\$ 450**

(Includes a round 6' or 2' x 6' table for all of your point of display products, brochures, business cards, etc)

## **Half table display** **\$ 300**

(Includes half a round table or half of a 2' x 6' table for all of your banners, brochures, business cards, etc).

## **Sponsored Lunch** **\$ 1000**

(Includes exclusive recognition at lunch as well as a full table display).

## **Sponsored coffee / snack** **\$ 250 exclusive**

(Includes full recognition in the program as well as the symposium)

**\$ 125 partial**

## **Brochure advertising** **\$ 100**

(A full colour ad within the program)

***All advertising includes recognition in the April Newsletter as well!***

We hope you will take this opportunity to further promote your name and company!



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# Call for Nominations to the Toronto Society Board

The Nominating Committee of the Toronto Society for Coatings Technology (TOSCOT) is now accepting names of individuals for nomination to the Society's Board of Directors. All names presented to the Committee will be put forward to the membership at the April 7th Monthly Meeting; voting will occur at the Annual General Meeting in May.

If you would like to nominate a member of the Society for a position on the Board, please email us at [feedback@toscot.org](mailto:feedback@toscot.org) OR call Kamlaish Mudhar (TOSCOT Chair) at 416-401-3347.

Please Note: All nominations have to be made in writing before April 6th.

## FSCT / NPCA Merger Update

The National Paint and Coatings Association (NPCA) and the Federation of Societies for Coatings Technology (FSCT) have announced that they have signed a Memorandum of Agreement outlining the details of a merger of the two organizations. The agreement describes a "governance merger" that will consolidate the governance, management, and administrative functions of both groups under NPCA, while preserving each organization's separate identities, operations, functions, and member services. Under the new structure, the NPCA would not own the FSCT but would control its assets. As part of the merger, FSCT and NPCA have agreed to combine the International Coatings Expo (ICE) with the American Coatings Show and Conference (ACS) to be held on June 2-5, 2008, in Charlotte, NC. With the combination of ICE into the ACS, ICE 2008 in Chicago will be canceled.

The agreement proposes a new FSCT Board consisting of the FSCT President, FSCT Vice President, NPCA President & COO and two other NPCA Directors. The FSCT President would hold a position on the NPCA Board. A new FSCT management team would comprise the old FSCT Board of Directors.

NPCA's Board of directors will take formal action on the agreement on March 19. All FSCT members of record as of February 29, 2008, will be eligible to vote on the proposal. The Agreement will be submitted to the FSCT general membership for approval on March 21, and voting by the FSCT membership is to take place from April 21 to May 2. Pending approval, all aspects of the merger are expected to be completed by June 3.

For more information, visit FSCT at [www.coatingstech.org](http://www.coatingstech.org) or the NPCA at [www.paint.org](http://www.paint.org).



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# Membership 2007—2008

Dear Member,

This application is for membership in **TOSCOT only**. For **FSCT** Membership, you can renew on the internet at the FSCT website ([www.coatingstech.org](http://www.coatingstech.org)) and pay by credit card. The Federation office will be forwarding renewal requests to all the current members asking that the payment be made directly to the FSCT headquarters in Pennsylvania. **If you decide to renew with the FSCT, you will automatically become a member of TOSCOT as well.**

**If you decide to renew as a TOSCOT member only, we ask that you fill out this application and return it along with payment to the address indicated below.**

Yours truly,  
Dale Cantera  
Membership Chair

**Please enclose this section with your remittance.**

TOSCOT Membership Renewal for period May 1, 2007 - April 30, 2008

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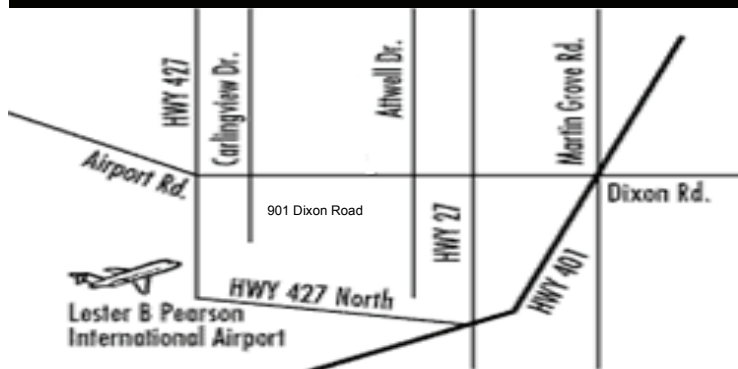
## The NEW TOSCOT e-letter

Beginning in January 2007 -  
TOSCOT is going paperless!

Look for the January edition in your  
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