

Chicago Society *for* NEWS Coatings Technology

Member of Federation of Societies for Coatings Technology

September 2002

www.chicagocoatings.org

Volume 6, Issue 1

The CSCT presents SOCIETY NIGHT Monday, September 9th • Steven's Steak House

We are inviting our professional colleagues from the Chicago Rubber Group, Ink Society, CPCA and SPE and welcome them to our meeting! Here is a great opportunity to network with your fellow professionals.

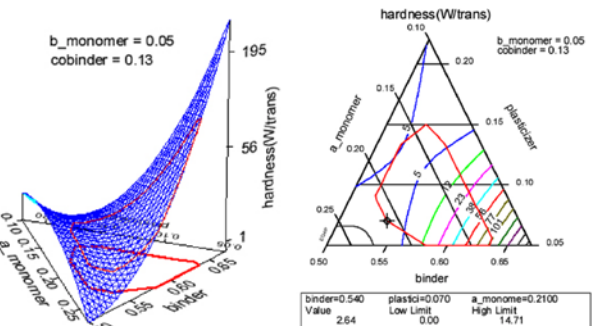
“Design of Experimentation Optimizing Process” • Tom Donnelly - Peak Process, LLC

Tom Donnelly, Ph.D. has been a trainer and consultant with Peak Process, LLC for 3 years. For the previous 12 years he was the Technical Director for ECHIP, Inc., a leading software vendor in the field of response-surface experimental design. He has taught over 150 short courses on Design of Experiments (DOE) strategy and is teaching the second half of the seminar “DOE in The Plastics Industry” at Vinyltec 2002 September 30th. The more than 2000 engineers, scientists, technicians, & managers in these courses came from hundreds of manufacturers and a wide variety of industries. Tom has gone on-site to teach courses at 38 different makers of computers, semiconductors, disk drives, ink jet printers, sensors, automotive components, pharmaceuticals, medical products, cosmetics, plastics, cables, adhesives, sealants, ceramics, and food products.

“**W**hat are the processing conditions required to best meet all the performance goals for this product? What settings will yield lower costs or generate reduced variability for this product?” Whether you are in manufacturing or R&D, or technical support or sales, who wouldn't want to be able to answer these questions? If a customer or management changed their minds and asked, “What if we want to meet these goals instead...?”, who wouldn't want to respond immediately with a clear answer regarding the trade-offs that would need to be made?

Answers to questions like these can easily be provided by using a tool that generates the fewest experimental trials to be run, so that when the collected data are analyzed “interactive pictures” called response surfaces and contour plots are created that makes the simultaneous optimization of multiple product characteristics very easy. The name of this powerful tool is the Response-Surface Method (RSM) - and it has been around for 50 years! Now it does require desktop computing to make the tool accessible - but we've had that capability for 20 years! This talk will discuss the many advantages of using RSM of Design of Experiments (DOE) to quickly get “pictures” of the process that accurately predict performance as a function of many control variables - including plastic, rubber, ink, or paint formulation (mixture) factors.

Examples of a 3-D response surface (left) and a 2-D contour plot (right) for a plastic formulation consisting of 5 components are to the right.



CSCT MEETINGS:

(Information 630.891.7102)

5:00 CASH BAR
6:00 SPEAKER
7:00 DINNER

Steven's Steak House

476 N. York Rd., Elmhurst, IL

Upcoming Events

September 9th, 2002

“Quickly Optimizing Processes”
Tom Donnelly-ECHIP, Inc.
Steven's Steak House

October 14, 2002

CSCT Technical Paper Committee
Technical Paper Presentation

October 28-30, 2002

ICE Show - New Orleans

November 11, 2002

“Biocides in the Coatings Industry”
Jerry Tracy, Acti-Chem

November 11, 2002

CPCA/CSCT Joint Holiday Party

Getting it Straight

Society Notes & Changes

Get more information about CSCT news and events at

www.chicago coatings.org

NEW for 2002-2003

CSCT EXECUTIVE COMMITTEE

PRESIDENT
Gerry Cuca

VICE PRESIDENT
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John Cox

MEMBERSHIP CHAIR
Herb Waltenspiel

SOCIETY REPRESENTATIVE
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Thor Jondahl

SECOND PAST PRESIDENT
Michael Beland

EDUCATION COMMITTEE CHAIR
Phil Peterson

TECHNICAL COMMITTEE CHAIRS
Aaron Strepka - Brian Hanrahan

MANUFACTURING CHAIR
Herb Waltenspiel

BYLAWS COMMITTEE CHAIR
Bill Bellman

25 & 50 YR CLUB CHAIR
Victor Willis

ASSOCIATE REPRESENTATIVES
Phil Person
Daryl Luxmore

Golf & Tennis Outing 2002

Our thanks to the 247 CSCT members and guests who participated in our annual Golf and Tennis Outing.

This was one of our largest turnouts in recent years !

Low Gross Winner: **Beth Lidster** - Halox Trophy by Brandt Technologies
Low Net Winner: **Leo Henkelman** - Sandstrum Trophy by Harcross Organics
Tennis Trophies by Kraft Chemical

Tennis Flight A: **Anders Karlsson**
Tennis Flight B: **Ron Abbott**
Tennis Flight C: **Tess Ho**

50/50 Raffle: We collected a record \$1704. The CSCT thanks you for your continuing support. Thanks to Alison Azar, Renee Tripoli, and Debbie Krumsee for the Raffle collection. Great Job !!



2002 CONTRIBUTORS

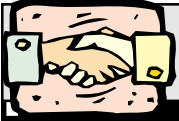
Wise Technology	BASF	Eagle Sales	R. T. Vanderbilt
Neville	Fitz Chem	Meridian Sales	Neo Resyn
EMCO	Huntsman Tioxide	Akzo Nobel	TH Hilson
Burgess Pigment	Ashland	Eastman	Adheron
Seremet	Elementis	Peninsula	Poly-Resyn
Halox	Kyowa Hakko	Grace	MF Cachat
Rockwood	Cary	CIBA	Brandt Tech
Chidley & Peto	Harcross	Eastman Chemical	Kraft
Sartomer	Rhodia	SC Johnson	LA Chemical
Kronos	Archway	Seegott	Reichold
DuPont Dow	INEOS	Hercules	Micropowders
Silberline	Whittaker, Clark, & Daniels		

PARTICIPATING COMPANIES

INX	Sun Polymer	Valhalla	Evans Angelos Assoc.
Seegott	EMCO	UCB	Eiger Machinery
Dow Chemical	Neo Resins	Resin Sales	SC Johnson
Adheron	Seremet	Grace	Color Communications
Stepan	Elementis	Troy	Omya, Inc.
Chemcentral	M. F. Cachat	Solutia	PCI
Peninsula Polymers	Dana	Valspar	Cary Company
Brandt Technologies	Chidley & Peto	Rhodia	Akzo Nobel
Cytec	Matthews Paint	Bayer	Sandstrom
Halox Pigments	Poly-Resyn	Patriot Paint	Kraft
Huntsman Tioxide	Eastman Chemical	Roman Adhesives	MD Both
Eagle Sales	Honeywell	Alpha Coatings	INEOS
Archway	W. C. Richards	Sherwin-Williams	Joslyn
Tego Chemie	Wayne Pigment	LA Chemical	ACE Paint
Spectrum Inks	Fitz Chem	Harcross	Hercules
TH Hilson	Silberline	Kronos	Meridian
Sartomer			

2003 GOLF/TENNIS OUTING: MONDAY, JULY 21, 2003 ST. ANDREWS AND FOREST VIEW RACQUET CLUB

Thanks to the Society's for participating and sending in their Membership Lists for mailing:
Bob Klingender - Chicago Rubber Group • Richard Small - Ink Society
Brenda Svenneke - CPCA • William Arendt - SPE



CSCT Member Candidates for September 2002

John Ramler Akzo Nonstik Div Active	John Scott Kretzer Rustoleum Active	Maria Cleope Sherwin Williams Active	Dennis Pepler Superior Essex Active	Jerry Nowicki Rice Chem Associate
Peter Huesman Akzo/Nonstik Div Active	Donald Tragianese EPS Active	Alex Migdal Ace Paint Active	Dick Bristol Ace Paint Active	Dennis Norwich Rustoleum Associate
Luis Navarro Rustoleum Active	Hilda Dimaano Sherwin Williams Active	Donald Tragianese EPS Active	Michael Stell Halox Pigments Associate	Chris Sanders Seymour of Sycamore Associate
Tom Renner Rustoleum Active	Julie Slawikowski Sherwin Williams Active	Rick Sobol Halox Pigments Active	Joe Cichon Inx Intl Associate	Chris Puccio Cytex Industries Associate

What were you doing 25 years ago? If you were a member of any Society for Coatings Technology 25 years ago and are now a member of the CSCT you may qualify for the CSCT 25 year club; however, we need to know who you are.

Call or write: Vic Willis
3149 Bending Creek Trail
Crete, IL 60417
708-672-7043

E-mail your dinner selection to: howard.robins@victorreinz.com

Please provide name and number of guest attending by 9/3/02 .

Dinner Selection for September 9th: Family Style or Vegetarian upon request

or

reserve by phone: (630) 271-4848

Send this to Howard Robins, Victor Reinz Division/Dana Corp., 1945 Ohio St., Lisle, IL 60532:

I WILL ATTEND AND BRING _____ GUEST(S) FOR DINNER September 9th

DINNER SELECTION: Family Style Vegetarian

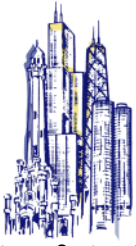
NAME _____ COMPANY _____

CSCT FUND RAISER SURVEY

We would like your input to make available the following items with **CSCT Logo** for purchase.
The funds collected will be used for Scholarship and additional CSCT Programs

Mouse Pad	~\$5	Y	N
Coffee Mug	~\$10	Y	N
L. S. Denim Shirt	~\$30	Y	N
Nylon Vest	~\$35	Y	N

Please Email your comments to Howard Robins at howard.robins@victorreinz.com or send to Howard Robins, Victor Reinz Division/Dana Corp., 1945 Ohio Street, Lisle, Ill. 60532



Chicago Society for
Coatings Technology
c/o Howard Robins
Victor Reinz Division
945 Ohio St.
Lisle, IL 60532
www.chicagocoatings.org

Reminder:
Dinner Reservation response due by 9/3/02

CSCT Calendar of Events 2002-2003

July 22	Golf & Tennis Outing		St. Andrews / Forest View
September 9	Design of Experimentation	Tom Donnelly, Peak Process LLC	Steven's Steak House
October 14	Technical Paper Presentation	CSCT Tech. Paper Committee	Steven's Steak House
October 28 – 30	ICE Show		New Orleans
November 11	Biocides in the Coatings Industry	Jerry Tracy, Acti-Chem	Steven's Steak House
December 6	CPCA/CSCT Joint Holiday Party		Oakbrook Marriott
January 6	Aerospace Coatings	Roger Brown, Akzo Nobel	Steven's Steak House
February 3	Practical Paint Making	George Goodwin, Elementis	Steven's Steak House
March 3	Defoamers	Andy Romano, Ashland Chem.	Steven's Steak House
April 7	The Coatings Economy	Ada Nielsen, BP Amoco	Steven's Steak House
May 2	Awards Banquet		Drury Lane Oakbrook

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