

# JOIN US FOR THE CT-SCC JANUARY MEETING!



**SPEAKER:** Doug S. De Blasi, Marketing and Business Development Manager, MMP, Inc. South Plainfield, NJ

**TOPIC:** An Innovative Model for Testing Natural Actives and Delivering Their Topical Applications (see pg 2 for abstract and speaker info)

**WHERE:** The Water's Edge at Giovanni's  
2748 Post Road  
Darien, CT 06820  
<http://watersedgeatgiovannis.com/directions.php>

**WHEN:** Tuesday January 17, 2012

Registration/Cocktails: 5:30 pm

Dinner: 6:15 pm

Speaker: 7:00 pm

PayPal or credit  
card payments  
available at  
[www.ctscc.org](http://www.ctscc.org)

Cash/Check only  
at the door

**COST:** \$40 SCC Members w/ reservations  
\$45 Non-members & Members  
without reservations  
\$25 Non-employed Members & Students

*Please register by Friday January 13<sup>th</sup> by contacting:  
Cynthia Valovich (203.656.7841, [cvalovich@zotos.com](mailto:cvalovich@zotos.com))*

## An Innovative Model for Testing Natural Actives and Delivering Their Topical Applications

The popularity of natural ingredients for youthful skin care building has led to new biological testing methods for plant derived extracts that measure skin care efficacy. These methods benefit from an ample harvest of human skin tissue derived from the parallel popularity of cosmetic surgeries. Additionally, since many extracts are purified, knowledge of their unique solubilities is required to efficiently develop aesthetically desirable skin care experiences. Pueraria Lobata Root Extract (Puerarin) and Eucommia Ulmoides Leaf Extract (Chlorogenic Acids), two effective purified natural extracts, will be presented along with their ex vivo results on human skin explants,

Specific biological indicators of intrinsic dermal skin aging exist for the glycation process and they provide evidence for damaging effects on skin proteins of the extracellular matrix. A reference molecule, aminoguanidine HCl, will be introduced to mitigate glycation along with the two selected plant extracts. The extracts are well known in Asian traditional medicine for their beneficial effects in diabetes patients where practitioners claim reduced blood glucose levels. This knowledge will be applied to measure the reduced rate of glycation in human skin explants after topical application. Finally, recommendations will be offered to efficiently introduce these extracts into a stable delivery system suitable for topically applied, elegant skin care products.



Doug S. De Blasi

Doug S. De Blasi is Business Development Manager for MMP, Inc. International Development and Manufacturing in South Plainfield, New Jersey, a sourcing firm for specialty cosmetic ingredients. Doug's career began in applied organic polymer research for both Sun Chemical Corporation and BASF Corporation. Doug made a mid-career switch into sales and marketing in the early 90s when he created a new division for Shamrock Technologies, Inc. and developed a patented line of fine micronized polymers for color cosmetics and enhanced sunscreen formulations. Since that early start Doug has developed Strategic Technical Marketing Programs for four specialty ingredient firms.

Doug joined MMP, Inc. in 2010 where he specializes in skin care youth building and advanced systems for emulsion stability. Doug holds a M.S. degree in organic polymer chemistry and a M.B.A. in finance from Rutgers, The State University of New Jersey.