

## Registration Form

# FOAMS™ 2008

**Wednesday-Thursday, September 10-11, 2008**  
**Hilton Charlotte University Place, Charlotte NC**

NAME \_\_\_\_\_

TITLE \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

ZIP CODE \_\_\_\_\_ COUNTRY \_\_\_\_\_

TEL \_\_\_\_\_ FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

Please pay Registration Fee in US Dollars by:

check  credit card

Credit Card Payment: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Card Number: \_\_\_\_\_

Expire Date: \_\_\_\_\_

Signature: \_\_\_\_\_

SPE Member Fees:

- \$ 425 Advance / \$ 475 On-site for Conference
- \$ 625 Advance / \$ 775 On-site for both Tutorial and Conference

(Advanced Registration by August 17, 2008)

On-line registration SPE members & Non-members at:

[www.4spe.org/conf/foams08/08foams.php](http://www.4spe.org/conf/foams08/08foams.php)

Please call, mail or fax this form to:

**Customer Relations Department**

**Society of Plastics Engineers**

**14 Fairfield Drive**

**Brookfield, CT 06804 USA**

**Phone: 203-740-5403 Fax: 203-775-8490**

## FOAMS 2008 COMMITTEE

Conference Chair Vipin Kumar  
University of Washington

Conference Co-Chair Raymond Shute  
Gaska Tape Inc.

Tech. Program Chair Hani Naguib  
University of Toronto  
Victoria Nawaby  
Sealed Air Corp

Committee Members Theresa Healy  
Joe Henz  
Sal Monte  
Kelvin Okamoto  
Michael Reedy

### On-Site Registration

Tuesday, September 9 2:00 p.m. - 5:00 p.m.  
Wednesday, September 10 7:00 a.m. - 6:00 p.m.  
Thursday, September 11 7:00 a.m. - 12:00 p.m.

### Transportation Information

**From** Yellow Taxi Cab –  
704-332-6161  
**Airport:** Lotus Limousine Service –  
704-719-4799

### **Map and driving directions:**

<http://www.mapquest.com/maps/8629+j+m+keynes+drive+charlotte+nc+28262/>

Room reservations may be made at the special  
SPE rate of US\$129.00/night + taxes by calling:  
Hilton Charlotte University Place  
8629 J.M. Keynes Drive  
Charlotte, North Carolina 28262 USA  
Tel: 1-704-547-7444  
Fax: 1-704-549-9708  
[www.charlotteuniversity.hilton.com](http://www.charlotteuniversity.hilton.com)  
Rooms are limited, so reserve early  
and no later than August 17, 2008.

# FOAMS™ 2008



**6th International Conference  
On Foam Processing & Technology**

## PRELIMINARY TECHNICAL PROGRAM

**September 10-11, 2008**

**Hilton Charlotte University Place  
8629 JM Keynes Drive,  
Charlotte, NC USA**



**TPM&F Division and  
Carolinas Section  
Society of Plastics Engineers**  
Brookfield, CT 06804

**DAY 1: Wednesday, September 10, 2006**

08:00 Welcome Address – Vipin Kumar  
08:10 Program Outline & Plenary Speaker Introduction –  
Hani Naguib and Victoria Nawaby

08:20 Plenary Address – TBD

**Session 1: Innovation in Foams**

09:00 Cleanroom Insulation Performance of Nitrogen Expanded  
Low Density Polyvinylidene Fluoride PVDF Foams - Neil  
Witten, Zotefoams plc, UK

09:30 Optifoam - Innovation in Extrusion of Physical Foamed  
Polymers - Lukas Stirnemann, Sulzer Chemtech USA

10:00 COFFEE BREAK & EXHIBITS OPEN

**Session 2: Additives in Foams**

10:30 Making Nano Technology Work in Foams Using 1.5  
Nanometer Titanate and Zirconate Coupling Agents -  
Salvatore J. Monte, Kenrich Petrochemicals, Inc. USA

11:00 Significant Roles Nucleating Agent Play in Polystyrene  
Foams and Their Environmental and Manufacturing Impact  
on the Industry - Michael E. Reedy, Reedy International,  
USA

**Session 3: Injection Molding Technology**

11:30 Microcellular Polycarbonate with Improved Notched  
Impact Strength Produced by Injection Moulding with  
Physical Blowing Agent - A.K. Bledzki1, M. Rohleder1,  
H. Kirschling1, A. Chate, University of Kassel, Germany

12:00 Foam Injection Molding of Very-low Density and Thin-  
walled Parts for Lightweight Design- Andreas N. J.  
Spoererr, D.S. Bangarusampath, Volker Altstaedt,  
University of Bayreuth, Germany

12:30 LUNCH BREAK  
Lunch Speaker: Why have we let FOAM become another  
four letter - Gary Wilkes, Dart Container LLC

**Session 4: New Product and Processing Technologies**

2:00 Replacement of Cross-Linked PP Foams and Solid TPO  
Products with Recyclable TPO Foams- Seong G. Kim, Siu.  
N. Leung\*, Chul B. Park\* and Mohini Sain, University of  
Toronto, Canada

2:30 A Study of Expansion Characteristics of Expandable  
Microspheres - Narasimharao Dontula, Jeffrey Gillmor,  
Somsack Chang, and Tony Duong, Eastman Kodak, USA

3:00 Extrusion-assisted Rotational Molding of Fine-celled  
Polyethylene Foams - Kimberly Christian and Remon Pop-  
Iliev, University of Ontario Institute of Technology  
Canada

3:30 COFFEE BREAK

**Session 5: Micro & Nanocellular Foams**

4:00 Nano/Micro-scale Cellular Polypropylene-Rubber Blend  
Foams- Tomoyuki Nemoto, Jun Takagi and Masahiro  
Ohshima, Kyoto University, Japan

4:30 Analysis of Dynamics in CO<sub>2</sub> Foaming of Polymers and  
Polymer Nanocomposites - D. Tomasko, Z. Guo, A.  
Phoebe, K. Kinsteadt, I. Kusaka, K. Koelling, L. J. Lee,  
The Ohio State University, USA

5:00 Micro and Nanocellular HDPE Foams- Dustin Miller, and  
Vipin Kumar, University of Washington, USA

5:30 RECEPTION

**DAY 2: Thursday, September 11, 2008**

08:00 Plenary Address – Development of Foaming Grade PLA:  
Resin Characteristics and Foaming Behaviors –  
Jim Nangeroni, Natureworks, USA

**Session 6: Biodegradable Foams**

08:30 Creating Open Celled Solid State PLA Foams Using  
Ultrasound – Xiaoxi Wang, Wei Li and Vipin Kumar  
University of Washington, USA

09:00 Synthesis and Characterization of PLA-Multi Wall Carbon  
Nanotubes composite foams – Reza Rizvi, Hani E. Naguib  
University of Toronto, Canada

09:30 Life Cycle Analysis of Hot Beverage Cup Technologies –  
Tom Malone, MicroGreens Polymers Inc, USA

10:00 COFFEE BREAK

**Session 7: Blowing Agents**

10:30 Foaming Cyclo-Olefin Copolymers with Carbon Dioxide -  
Richard Gendron, Michel F. Champagne, and Martin N.  
Bureau, National Research Council of Canada

11:00 PS Foams Blown from HFC-134a/HFC-32 Blends - Brett  
Van Horn, Michel F. Champagne, Richard Gendron,  
Jacques Tatibouet, Arkema Inc, USA

11:30 Predicting Polyolefin Foamability Using Melt Rheology -  
Jim Zwynenburg, Associated Polymers Lab Inc. USA

12:00 An Advanced Polymeric Antimicrobial for Thermo Plastic  
Foams such as Polyurethanes – Gerry D. Getman, Biosafe  
Inc. USA

12:30 LUNCH BREAK

**Session 8: Micro and Nanocellular Foams**

2:00 Nanocellular Foam of PS-b-P4VP Block Copolymer and  
Delivering Nanoparticles into the Nano-cells. - K.Taki, T.  
Yahagi, S. Nagamine, M. Ohshima, Kyoto University,  
Japan.

2:30 Field Variable Profiles and Hydrodynamic Constraints in  
the Microcellular Foaming of the Polystyrene – Carbon  
Dioxide System Through an Axisymmetric Extrusion Die  
- Shunahshep Shukla and Kurt W. Koelling, The Ohio  
State University, USA

3:00 Alternative Strategies to Produce Microcellular Foams  
Parts - M.A. Rodriguez-Perez, J.F. Lopez-Díaz, J.A.  
Reglero, M.A.B. del Carpio, J.Lobos, J.A. de Saja,  
University of Valladolid, Spain

3:30 Development of a Systematic Approach for Process  
Parameters Determination in Structural Foams Molding- P  
Y Chung, and K H Lau, Hong Kong Polytechnic  
University, HK

4:00 Closing Remarks – Vipin Kumar