

Registration Form

FOAMS® 2012 TUTORIALS

September 10-11, 2012, Monday-Tuesday

Hotel PortaFira, Barcelona, Spain

NAME _____

TITLE _____

COMPANY _____

ADDRESS _____

CITY _____

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TEL. _____ FAX: _____

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Please pay Registration Fee in US Dollars by:

[] bank transfer [] check [] credit card

Credit Card Payment: _____

Cardholder Name: _____

Card Number: _____

Expire Date: _____

Signature: _____

SPE Member Fees (Advance date Sept 1, 2012):

- \$ 390 Advance / \$ 600 On-site for Tutorial
- \$ 470 Advance/ \$ 680 On-site for Conference
- \$ 760 Advance/ \$ 970 On-site for both Tutorial and Conference

SPE Non-Members: (Advance date Sept 1, 2012):

- \$ 600 Advance / \$ 815 On-site for Tutorial
- \$ 680 Advance/ \$ 890 On-site for Conference
- \$ 970 Advance/ \$ 1180 On-site for both Tutorial and Conference

Please call, mail or fax this form to:

Customer Relations Department

Society of Plastics Engineers

13 Church Hill Road

Newtown, CT06470USA

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

Tutorials Outline

Dr. S.T. Lee (to be confirmed)

- 1) Overall Review: thermoplastic and thermoset foams
- 2) Reactive Foaming: mechanisms and methods
- 3) Structures and Properties
- 4) Applications

Prof. Chul B. Park

- 5) Design of Foam Structures
- 6) Foaming Agents
- 7) Fundamentals of Continuous Microcellular Foaming
- 8) Control of Cell Nucleation
- 9) Control of Foam Density

Prof. Hani E. Naguib

- 10) Biofoams: processing, properties, and applications
- 11) Nanocomposite Foams: processing, properties, and applications
- 12) Sustainable Foams: processing, properties, and applications

Tutorial starts 14:30 PM Monday, September 10 and ends 6:30 PM Tuesday, September 11 2012.

Hotel room reservations may be made at the special SPE rate of US\$118/night + 8% taxes (breakfast included) by contacting:

Hotel Porta Fira

Plaza Europa, 45, L' Hospitalet

Barcelona 08908

Spain

T: + 34 902 270127

F: + 34 932973509

email: reservasportafira@h-santos.es

Rate applies for single occupancy and for bookings before August 10th 2012

Cancellation policy is before August 10th no penalty, after August 10th one night room and tax will be charged, after August 26th 100% will be charged

Check-in time is 4:00pm and after.

Check-out time is by 12 noon.

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Barcelona, Spain



Co-Sponsored by the Spain
Section & TPM&F Division
Society of Plastics Engineers
Newtown, CT06470

FOAMS® 2012 TUTORIALS

September 10-11, 2012

Instructors: Dr. S.T. Lee (TBC)
Prof. Chul B. Park
Prof. Hani E. Naguib

Co-sponsored by the TPM&F Division and
Palisades-NJ Section of the Society of Plastics Engineers

Purpose & Review

This tutorial will provide practical information that will help you enhance your technical capability in foaming. It will help you develop new blowing agents to meet the growing challenges, design foam products that meet customer's needs, improve effectiveness of your foam R&D and processing projects. The attendee will also receive updated key references on plastic foams.

Who should attend?

This tutorial is intended for a range of companies and individuals involved in thermoplastic foam development, production, and applications:

1. R&D scientists and engineers, formulation scientists, process engineers, quality engineers and application engineers from thermoplastic foam production and manufacturing companies.
2. Chemists and chemical engineers involved in development of foaming grade resins and blowing agents.
3. Foaming equipment manufacturing: design engineers, project engineers, and rheology specialists.
4. Development engineers and research scientists working on new foam developments.
5. Foam users and application specialists.

About the instructors



Dr. S. T. Lee received his Ph.D. from Stevens Institute of Technology, and joined Sealed Air Corp. in foam research, foam product/process and technology development as development engineer, R&D director, and presently foam technology expert. He has over 100 publications, including 27 patents. He was elected to Fellow by SPE in 2001. He was inducted to Sealed Air's inventor Hall of Fame in 2003. He authored and edited four foam books published by Technomic and CRC Press. At present, he serves as Foam Series editor for Taylor and Francis, Co-Editor-In-Chief for Journal of Cellular Plastics, and the principle editor for Foam Update.



Prof. Chul Park received his PhD from MIT in 1993. He is Professor and a holder of Tier I Canada Research Chair in Microcellular Plastics at University of Toronto. He is also the Founder and Director of the Microcellular Plastics Manufacturing Laboratory, which enjoy the reputation of being one of the pioneering research institutions in refining various foaming technologies. He is also establishing the Centre for Industrial Application of Microcellular Plastics with \$9M pilot-scale and industry-scale equipment in refining various foaming technologies. As a Fellow of Royal Society of Canada, SPE, and 5 other professional societies, he is an accomplished scientist with international recognition in the field of plastic foaming. Professor Park is the author or co-author of over 700 publications including 20 patents and 200 journal papers. He is also active in professional activities. He is Editor-in-Chief of the Journal of Cellular Plastics and serves as an advisory editorial board member of Cellular

Polymers and Advances in Polymer Technology. He has been organizing the Foam Symposiums at PPS. He also served on FOAMSTopCon 2006 and ANTEC TPM&F 2008 and 2009 as the Technical Program Chair. He was the Conference Co-Chair for Biofoams 2007& 2011, and the Conference Chair for Biofoams 2009 and 2012 PPS Americas Conference.



Dr. Hani E. Naguib an Associate Professor at the University of Toronto and holder of a Canada Research Chair in Smart and Functional Materials. His major expertise is in the area of multifunctional and adaptive polymer and foams including active polymers; sustainable polymers; biopolymers; nanocomposites and hybrids. He has many refereed publications, scholarly addresses, and seminars to date in the field. Hani is the recipient of numerous honours and awards such as the Canada Research Chair, the Premier's Early Research Award of Ontario, and the Canada Foundation of Innovation. He is a Professional Engineer in Canada, a Chartered Engineer in U.K., a Fellow of the Institute of Materials Minerals and Mining IOM3 in UK and Fellow of the Canadian Society of Mechanical Engineers, with other professional engineering affiliations. Hani got his Ph. D in Mechanical Engineering from the University of Toronto in 2001.

Tutorial Content

- How to apply scientific principles to improve the existing foaming technologies
- The chemical, rheological and mechanical aspects of foam extrusion
- Microcellular foam evolution
- Strengths and weaknesses of thermoplastic foam products
- State-of-the-art foaming technologies