

therma plastic TPE elastomers 2009

The Twelfth International Conference on Thermoplastic Elastomers

11-12 November 2009, Frankfurt, Germany

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TPE 2009

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The Twelfth International Conference

iSmithers, the information business within Smithers Rapra, is proud to host its twelfth annual TPE conference in Frankfurt this November.

The current global economy has impacted every industry, and the application areas for TPEs are no exception. Medical, sports, automotive and engineering industries are all being forced to be more innovative, which is in turn a driving force throughout the supply chain. TPE raw materials suppliers, TPE converters, manufacturers and end users are in a race to provide high performance products at the lowest possible cost to ensure their business success. This conference is an opportunity chance to gain insight into the commercial direction and technical development within the TPE industry to ensure that you are focussing your resources in the right area.

TPE 2009 will build on the success of TPE 2008 by having forward thinking papers presented by companies that are choosing to invest resources into new opportunities. By coming to this conference, you will be showing competitors, suppliers and clients that you are still identifying ways to improve your processes and products – an important message in this economic climate. Whatever tier of the supply chain you are from, whether you are you a TPE processor, medical grade supplier, sports goods designer or an automotive parts manufacturer, this conference is an ideal forum for multi-tier collaboration and business networking.

This conference will see the presentation of the second iSmithers Best Paper Award, which will be given to the speaker and author(s) of the best written paper included in the conference programme.

Conference Language

Please note that the conference will be conducted in English.

Conference Venue

Holiday Inn Frankfurt City-South,
Conference Centre,
Mailänder Strasse 1
D – 60598 Frankfurt/ Main
GERMANY

Tel: +49 (0) 6968020 Fax: +49 (0) 696802333

Frankfurt is a cosmopolitan city, an important financial services centre and has a vibrant cultural scene. Often referred to as a 'city of contrasts', Frankfurt offers something for everyone whether it be traditional or modern, business or culture, big-city bustle or tranquil havens. Frankfurt boasts the tallest building in Europe, the famous Zeil shopping street and an internationally renowned trade fair centre. The picturesque Römerberg square is lined with historical timber-framed buildings. Tourist information can be found at www.frankfurt-tourismus.de.



Hotel Reservations

Please send reservation enquiries to Sharon Garrington, Conference Organiser, e-mail: conferences@ismithers.net. A booking form will be sent with your joining instructions on receipt of your completed registration form.

Sponsorship & Exhibition Opportunities

A limited number of cost effective sponsorship opportunities are available to maximise your corporate profile at this important event. To receive further information please contact the conference department, e-mail:

conferences@ismithers.net, Tel: +44 (0)1939 250383, Fax: +44 (0) 1939 252416

- Wallet service (€750 + VAT at 19%): Insert a pen or leaflet in delegate packs (up to 6 A4 pages)
- Tabletop exhibition (€2000 + VAT at 19%): a tabletop exhibition area (2x3m) including one free delegate place and colleague discounts



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Smithers Rapra has provided a world leading portfolio of Rubber, Plastic and other Polymer Information products and services for 85 years. To improve the delivery and range of products a new business was formed in July 2008 called iSmithers.

iSmithers, working alongside Smithers Rapra and still part of the Smithers group, has expanded its service offering to cover other business areas and industries harnessing the expertise of the iSmithers management team and the knowledge from other companies within the group. Find more information at www.polymerconferences.com or contact conferences@ismithers.net.

Wednesday 11 November

08.30 REGISTRATION AND WELCOME COFFEE

09.25 Introduction to TPE 2009

Session 1: Commercial Aspects of TPEs

09.30 What's new in science and technology of thermoplastic elastomers? A review
Jiri Drobny, Drobny Polymer Associates, USA

10.00 The global market of engineering thermoplastic elastomers
*Dr Uwe Löchner, SRI Consulting, Switzerland,
I K Nakamura & Yoshio Inoguchi, SRI Consulting, Japan*

Session 2: TPE Applications

10.30 TPE applications technologies respond to recession and globalization
Robert Eller, Robert Eller Associates LLC, USA

11.00 COFFEE

11.30 Innovative elastomers and their application in the automotive industry
Nigel Shields, F Krabbenborg & M Holzleg, Dow Automotive, The Netherlands

12.00 Expanded polypropylene; a low density alternative for some TPE applications
Thierry Reichman & B Suffis, JSP, France

12.30 Hybrid SBC-OBC new TPE, the perfect alternative for refrigerator gaskets
Fabien Resweber, CTS Cousin-Tessier, France

13.00 LUNCH

Session 3: TPE Developments

14.15 Innovative biorenewable thermoplastic elastomers
Krishna Venkataswamy & G Qian, GLS Thermoplastic Elastomers, USA & C Page, PolyOne, Germany

14.45 A novel TPE with lightness, flexibility and durability
A Matsumoto, J Oertel, S Kishii & Dirk Kilian, Kuraray Europe GmbH, Germany

15.15 COFFEE

Session 4: TPOs

15.45 Nanostrength functional acrylic block copolymers: New boosters for TPE applications
Jean-Pierre Disson, Arkema, France

16.15 The quest for greener pastures
Manu Rego, F Tausaon, G Stucchi & J Bast, Dow Chemical Company, Switzerland

16.45 The novel elastomer based on propylene for PP modifier
Mr Hiroshi Takayasu, Mitsui Chemicals Inc, Japan

17.15 END OF DAY ONE

18.00 CONFERENCE NETWORKING EVENT

Thursday 12 November

09.00 COFFEE

Session 5: TPVs

09.30 Natural rubber-isotactic polypropylene thermoplastic blends
Siby Varghese, Rubber Research Institute of India, India

10.00 Advanced TPVs based on EPDM/HDPE designed for hard/soft combinations with HDPE and UHMW-PE
*Prof Dr Norbert Vennemann, H Baur & M Wu, University of Applied Sciences Osnabrück, Germany;
J Koonert & S Liebner, Melos GmbH, Germany*

Session 6: TPUs

10.30 From durable soft TPU to reinforced ETPU
Dr Geert Vermunicht, Lubrizol, Belgium

11.00 COFFEE

11.30 Mechanical properties and hydrolysis stability of thermoplastic polyurethane modified with PCD and SEBS-MAH
Wangdong Xiao, Shenzhen Polytechnic, China; Kevin Kibble, University of Wolverhampton, UK; W Liu & W Dai, University of Xiangtan, China

12.00 Mechanical and thermal properties of PVC/ABS blends compatibilized by reactive blending with TPU
Eng. Pegah Mohammad Hosseinpour, J Morshedian, M Barikani, H Azizi, Iran Polymer and Petrochemical Institute, Iran

Session 7: TPE Additives

12.30 Advantage of ceramical fillers in TPE Materials
Dieter Kruger & T Rappelt, Allod Werkstoff GmbH & Co KG, Germany

13.00 LUNCH

14.15 Advanced refining and TPE process oils (Group II refined oil alternatives to traditional Group I oils)
Mark Proudfoot, Renkert Oil, USA

14.45 High performance thermoplastic elastomeric blends of styrene acrylonitrile and linear low density polyethylene nanocomposite: Fabrication and characterization
Vivek Patel, Allele Life Sciences Pvt Ltd, India

Session 8: Testing TPEs

15.15 Dynamic mechanical analysis with DMA+, a powerful characterisation method applied to thermoplastic elastomers
Mr Laurent Perier, 01dB-Metravib, France

15.45 END OF CONFERENCE

Please note: The conference organisers reserve the right to change or modify the programme if necessary.

