

17th Annual



**European
Conference
on tyre recycling**

**Innovation:
Tyre Recycling 2010**



Wednesday to Friday 17 – 19 March 2010

Crowne Plaza Europa Hotel, Brussels

Programme

WEDNESDAY 17 March 2010

- 10.00 TyGre Training session and Partner Meeting
- 15.00 Registration begins
- 15.30 Set –up of Exhibition and Poster show
- 17.00 ETRA General Assembly Meeting
- 19.30 Welcome reception at opening of the Exhibition
- 20.30 Gala Dinner to honour Speakers, and Guests

THURSDAY 18 March 2010

- 8.00 Registration and welcome coffee
- 9.00 Introduction and Opening Comments
Dr. Valerie L. Shulman **Objectives of the Conference**
 The 17th ETRA Conference is about innovation in tyre recycling – which is equally dependent upon the practicalities of managing and sourcing tyres – as it is on the imagination and creativity necessary to developing new technologies, products and markets. Both aspects will be presented and discussed.
- 9.30 Keynote Address
Dr. Jakub Wejchert, Head of Sector for Sustainable Production and Consumption
- 10.00 Questions and panel discussion
- 10.30 Coffee break
- 11.00 **Session 1 : Regional models of post-consumer tyre management**
 The original ‘producer responsibility model’ for post-consumer tyre management was introduced in three Nordic Countries in 1994–1995. During the next 15 years, the model has been adapted and applied in different ways in the EU States – with varying success. Examples of three primary adaptations will be presented and compared. The Panel will be comprised of representatives from : Greece, Poland, Portugal, Spain and Italy.
Lars Aman, Hans Van Mameren **The Nordic model**
Delegate questions and discussion
- 13.00 Lunch
- 14.30 **Session 2 : Eco-innovation**
 Two projects, one in Italy, one Portugal, have focused on the functional and innovative uses of post-consumer tyre materials. In Italy, young designers were challenged to develop ‘urban furniture’ that could benefit from the properties of recycled tyre granulate. In Portugal, Minho University and Biosafe, created an innovative product that incorporates recycling waste into a widely used construction product with noise dampening qualities.
Dotts. Emanuela Scimia **The ISIA eco-design programme**
Dott. Ettore Musacchi **Urban furniture : Granulate innovations**
Dr. Graça Vasconcelos **An Innovative Solution for Structural Masonry**
Ir. Jose Carvahlo **Tyre textiles – innovations for sustainable use**
ISIA student participants **Adapting granulate for innovative uses**
Delegate questions and discussion
- 15.45 Coffee break
- 16.15 **Session 3 : Scenarios for the future**
 Scenarios can facilitate awareness of future situations or events by identifying the driving forces at play – e.g. social or political dynamics, technological or environmental realities – suggesting different responses or opportunities – providing a ‘glimpse of the future’. Delegates are invited to participate in creating the scenarios.

18.00 Cocktail reception

FRIDAY 19 March 2010

- 9.00 **Welcome and opening comments**
The focus is on the progress being made in developing innovative, sustainable and commercialisable new technologies, materials and products. Each session includes at least one EU-ETRA supported project that was introduced at an ETRA Conference – and is now ‘market ready’.
- 9.15 **Keynote Address**
Dr. Theodoros Staikos, Project Manager EACI
- 9.45 **Questions and panel discussion**
- 10.15 **Session 4 From project to market**
Often called ‘dreamers’, developers of new technologies, materials, products and applications have changed the way we think about ‘waste’ – and how it can be treated and used as a valuable resource. Three ‘dreamers’ will present their ‘visions’ and discuss the commercialisation of their outputs with a counterpart from a commercial sector that uses the material. Together, they will illustrate how a project can evolve towards reality.
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| Ir. Jacques Vervaet, BTRC | Water-jetting : From research to market |
| Ir. Rody Rijinders, CA compounds | Material outputs : Surpassing the targets |
| Ir. Piotr Sokora, Eco-Logic | Approaching success |
| Dr. Wanda Parasiewicz, Stomil rubber | Defining the market options |
| Ake Paulsson, Ecorub | Thermoplastic materials |
| Ir. Edo Kovacevic, AC automotive | Commercial products and applications |
- Panel discussion and questions* : The Panel will include MEP Marek Siwec (Poland), Dr. Theodoros Staikos, the presenters, and Dr. Valerie Shulman.
- 11.30 **Coffee Break**
- 12.00 **Session 5 Roads of the future**
Recycled tyre materials, which includes the steel as well as the rubber – figure importantly in roads for the future – serving many different functions. The PERSUADE project will be discussed within the context of the adaptability of existing markets. The EcoLanes project will be highlighted, introducing the work being done to develop new materials and procedures.
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| Ir. Costis Keridis, CKAB | Purpose built roads : Creating the market |
| Dr. Kyriacos Neocleous, SUEL | Steel Tyre-Fibres in road structures |
| Ir. Kostas Ir. Koutselas, Scott Wilson | New applications for STF |
| Dr. Luc Goubert, BRRC | PoroElastic Road Surfaces |
| Dr. Serji Amirkhanian, ARTS | ARTService modifier developments |
- Delegate discussion and questions*
- 13.00 **Lunch**
- 14.30 **Session 6 Pyrolysis Forum**
Ir. Jean-Paul Bouysset has organised and chaired the Pyrolysis Forum for 15 years. Colleague Dr. Gisele Jung joined him almost 10 years ago. Together, they have observed numerous attempts to make pyrolysis a principal means of treating post-consumer tyres. The session will focus on the options and opportunities offered by new pyrolysis technologies and treatments.
- Co-Chair : Ir. Jean-Paul Bouysset and Dr. C. Gisele Jung**
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| Dr. Sergio Galvagno, ENEA | The Tygre Project : new options |
| Ir. Nikita Kochanov, Pyrotex, Latvia | A new perspective |
| Ir. Piotr Sokora, Eco-Logic | Approaching success after 90 years |
| Dr. Olegs Ozernov, EcoPromtech, Lithuania | On-line options |
| Dr. Anastasia Zabaniotou, Aristotle University | Active carbon for cleaning exhaust gas |
- Delegate discussion and questions*
- 17.00 **Close of Conference**