

# up-cycle

Upgrading Recycled Tyre Materials.  
Products and Applications



**Innovation Workshop for Projects , Research and Co-operation Development**  
**9th November 2018 - from 9.30 am to 5.00 pm**  
**Venue : ANTEL, Palazzo Caccialupi, Vicolo Savelli 48, Rome**  
(4 minutes walk from Piazza Navona)

ETRA, the European Tyre Recycling Association, in co-operation with ANTEL, IFME, University of Rome Torvergata, Lazio Innova, Politecnico of Turin, and ARGO, are pleased to invite you to:

## up- cycle - Upgrading Recycled Tyre Materials, Products and Applications

The workshop is designed to illustrate the many current and potential uses of Recycled Tyre Materials (RTMs) in various fields of application, highlighting the flexibility of use and high performance of the materials. Topics will include: thermal, vibration and noise insulation, flexible and reinforced concrete, rubber compounds and thermo-plastic elastomeric materials, rubberised asphalt, roads and rail products, sports applications. The scope is to stimulate discussions on new product development, research projects and cooperation.

The programme will bring together companies from tyre recycling and end-user sectors with researchers from Universities and experts from various fields.

## Program

9.30 Registration

9.45 **Welcome Speech**

Ir. Fabrizio Mazzenga, President ANTEL  
Renato Cecilia Santa Maria, Past President IFME

10.00 **Workshop Part 1 - Presentations**

Dr. Valerie Shulman, Secretary General, ETRA : About Tyre recycling  
Ir. Fabrizio Quadrini, University Tor Vergata, Rome : Disruptive technologies and innovative start-ups  
Dr. Francesca Calenne, Lazio Innova, Rome : Regional actions to support innovation and Circular Economy

Ir. Alessandro P. Fantilli, Politecnico of Turin : The Sustainability of Structural Concrete Containing Recycled Tyre Materials  
Dr John McDougall, Edinburgh Napier University : Rubber-soil mixtures for the mitigation of earthquake building damage

Ir. Marco Benso, Città Metropolitana, Turin : The choice of a Public Administration to use rubberised asphalt  
Ir. Paolo Di Scanno, Siges Ingegneria, Rome : The rubberised asphalt to mitigate the noise in Rome

**Dr. Marco Valente**, Università La Sapienza, Rome: Concrete plaster used in a 3D process

**Dr. Giovanni Petrucciani**, Università La Sapienza, Rome : Textile material used to clean the sea from oil spill (TBC)

**Geom. Bruno Marabotto**, Vice President, ETRA : End of life turfs, various options to re-use or recycle the fields.

13.20 Closure of the Workshop

13.30 Light Lunch

### 14.30 **Workshop Part 2 - Discussion Groups**

Roundtables discussion divided by groups to discuss more in detail about the morning presentations, get comments and suggestions. **The goal is to come up with new partnerships and projects for the upcoming EU Funding Calls for 2018-2020.** Four tables has been organised and come up with some ideas for product development, new projects, cooperation, etc. the **4 table** will be on:

1. **Recycled and ecological building materials and applications, projects and other ways to expand the market**
2. Transport and mobility: rubber materials and solutions for asphalt, roads, rails and city mobility
3. **Innovative Materials for different uses and markets: Compounds and Moulding, Binders, Absorbent and Drainage, etc.**
4. **Sport Sector: New materials for/from Artificial Turfs, how to recycle end of life turfs and new generation of infill materials**

In order to increase their opportunities Participants may enter their cooperation profile into the **ETRA Partner Registry**, and to receive further assistance after the workshop as well. They will become part of a dynamic process that includes other opportunities.

17.00 Closure of the meeting

**In Cooperation with:**



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