COST MP1105 Training School on
“Strategies to study fire behaviours and fire retardant mechanisms”

Barcelona School of Building Construction (EPSEB),
Universitat Politècnica de Catalunya, Barcelona

Venue: EPSEB, Av. Dr. Marañón 44-50, 08028, Barcelona
Dates: 1-3 February 2016
Organizers: GICITED (Universitat Politècnica de Catalunya) – Centre Català del Plàstic - IMDEA Materials
Co-Organizer: Cost Action MP1105

Day 1: 1st February Venue: Barcelona School of Building Construction

8:30-9:00 Registration
9:00-9:15 Welcome and COST action MP1105 Presentation
9:15-10:15 R. Hull (University of Central Lancashire). Introduction to Fire Retardants: Gas Phase, Mineral Fillers, Char Formers, Intumescent, Nanocomposites
10:15-11:15 A. M. Grancaric (University of Zagreb). Fire Retardant Development by improved technology for cotton high protection
11:15-11:45 Coffee-break – Poster Session
11:45-12:45 G. Camino (Politecnico di Torino). Strategy and approach to understand fire retardant mechanisms
12:45-13:45 Lunch – Poster Session
13:45-14:45 B. Kandola (University of Bolton). Fire retardancy in textiles
15:00-18:00 Transfer and visit of the Fire Testing Laboratories of APPLUS
18:00 End of first day
20:30 Dinner at Flamant Restaurant (C/ Enric Granados 28)
Day 2: 2\textsuperscript{nd} February Venue: Campus UPC in the city of Terrassa

9:30-13:00 Practical session in the Department of Textile and Paper Engineering about textile fabrication, characterization and flame retardant coating applications.

\textbf{Organizers:} Dr. Mònica Ardanuy and Eng. Heura Ventura

13:00-14:30 Lunch

14:30-17:00 Technical visit and practical session in the Catalan Centre of Plastic:

- Polymer processing: extrusion and injection (Dr. David Arencón)
- Thermo-mechanical characterization (Dr. Marcelo Antunes)
- Fire testing: cone calorimeter (Dr. Vera Realinho)

17:00 End of second day

Day 3: 3\textsuperscript{rd} February Venue: Barcelona School of Building Construction

9:30-10:00 \textbf{L.Haurie} (Universitat Politècnica de Catalunya) Fire reaction and Fire Resistance regulation in the Building Sector.

10:00-10:30 \textbf{P.Giraldo} (Incafust). Computer-simulation research on building-façade geometry for fire spread control in buildings.


11:30-12:00 Coffee-break

12:00-13:00 \textbf{J.M. Lopez Cuesta} (Centre des Matériaux des Mines d’Alès). Fire testing

13:00-14:00 Lunch

14:00-15:00 Visit of the Fire Lab EPSEB

15:00-16:00 \textbf{D. Wang} (IMDEA). Nanotechnology and fire retardancy

16:00-16:30 Coffee-break

16:30-18:00 \textbf{Open discussion on interpretation of different fire test data}

18:00-18:15 Closing of the Training School