**COST MP1105 SCIENTIFIC WORKSHOP**

**“Advances in the synthesis and characterization of nanomaterials for flame retardant applications”**

***26-27 March 2015***

**Hotel RIN Central, Bucharest, Romania**

**Preliminary Programme**

**Day 1: 26 March 2015**

09:00-09:30 Registration

09:30 Radu Piticescu (IMNR): Welcome

09:40 Els Van der Burght: Actual status of COST Action MP1105

10:00 Invited talk: Romanian Textiles Pole of Competiveness

**10:30–11:30 Oral presentations**

*O1.1. Synthesis and characterization of functional functionalized nanomaterials and its use as nano flame-retardant in polymer materials,* De-Yi Wang et al., IMDEA, Spain

*O1.2. Modification of layered silicates using phosphorus compounds for flame retarded polyamide 6 nanocomposites,* T.M. Majka et al., Cracow Univ. of Technology, Poland

11:30-11:50 Coffee break

11:50-15:30 **Transport and visit to IMNR headquarter, Pantelimon, Ilfov (close to Bucharest ring).**

**Lunch at IMNR** (cost 20 EUR / participant)

**16:00-17:30 Oral presentations**

*O1.3. Fire retardant mechanism of Poly(allylamine) and Montmorillonite layer-by-layer nanocoating on polyamide 6,* M. Jimenez et al, Univ. de Lille, France

*O1.4. Flammability of an Epoxy Resin: Comparing the Performance of Anionic and Cationic Nanoclays, Marta S.S. Martins et al.,* INEGI-University of Porto, Portugal

*O.1.5. DSC and TGA of CeO2-Polycarbonate composites: cone calorimeter flame retardant predictions from experimental thermal data, C. Larosa et al.,* University of Genoa, Italy

**Day 2: 27 March 2015**

09:00-09:15 Registration

**09:15-10:40 Oral presentations**

INVITED TALK: ***Urea contribution to improving phosphoric flame retardancy*, Ana Marija Grancaric, TTF Croatia**

*O 1.6. DSC studies of the graphite/ZnO interfaces and applications in special coatings,* R.R. Piticescu et al, IMNR Pantelimon, Romania

O.1.7. *An online acquisition method for monitoring the surface growth of flame retardant protective layers,* Rosane Moura dos Santos, POLITO, Italy

10:40-11:00 Coffee break

**11:00-12:00 Oral presentations**

INVITED TALK: PRESENTATION OF NATIONAL INSTITUTE FOR work protection. Preventing Occupational Risks using flame retardant textiles.

INVITED TALK: PRESENTATION FROM NATIONAL AGENCY FOR SCIENTIFIC RESEARCH. Cooperation opportunities in H2020 Nanotechnology, Materials and Processing field.

Conclusions and closing of the workshop

**Lunch at RIN Central Hotel** (cost 20 EUR / participant)