**CALL FOR PAPERS**

**COST MP1105 SCIENTIFIC WORKSHOP**

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

**26-27 March 2015**

**Bucharest, Romania**

**Under the auspices of**

**COST ACTION MP1105 – “Sustainable flame retardancy for textiles and related materials based on nanoparticles substituting conventional chemicals (Acronym: FLARETEX)”**

**ABSTRACT SUBMISSION**

Participation is free of charge for speakers and COST MP1105 members.

If you are interested to give an **oral or poster presentation** at the COST MP1105 workshop, please **send your paper title, short abstract** (max. 1 page A4) and preference for oral or poster presentation **before December 15, 2014** by e-mail to:

Radu-Robert Piticescu,PhD: rpiticescu@imnr.ro

Madalina Laura Popescu,PhD: mpopescu@imnr.ro

**IMPORTANT DATES**

* **15th December 2014** – submission deadline for abstracts (max. 1 page)
* **5th January 2015** – notification of acceptance
* **9th February 2015** – registration deadline for COST MP1105 members. Please fill in the registration form and send it to

 COST.MP1105@UGent.be and Dr. Radu-Robert Piticescu (rpiticescu@imnr.ro)

* **20th March 2015** – submission power point presentations

**The objectives of the Workshop**

The workshop will bring together specialists from academia, research institutes and industry for discussing some of the recent advances and trends in the synthesis of different types of nanomaterials and their characterization for application in flame retardant textiles, plastics and composites with improved properties.

The workshop topic is related to novel flame retardants. Nanomaterials are today one of the key enabling technologies with high impact in both modern and traditional industries. New classes of nanopowders with potential utilization as flame retardants and the methods used for their synthesis will be presented and discussed.

The valorisation of these new nanomaterials in flame retardant materials requires the development of new technologies at a technology readiness level 5 for processing as coatings, impregnation as well as other specific methods. Modelling and simulation of the processes is an important task towards process optimization, opening new applications. New business strategies and business models for nano-enabled products for flame retardants will also be a key point to discuss for future possible commercialization.

In order to make such novel nanomaterials for flame retardants to be socially acceptable and widely used, it is very important to establish and promote reliable standardized approaches for their safe and sustainable management. Standardization and technical solutions to health and safety that can potentially provide legal certainty and consumer confidence in nanotechnology and nanomaterials for the entire product life cycle will be discussed.

**Programme**

The Programme will include 3 oral sessions with invited lectures from academia, institutes and industry and a poster session will contribute to the workshop topics. A visit to IMNR facilities for synthesis, processing and characterization of nanomaterials will also be organized on 27 March at 9:00 a.m.

**Venue:**

The workshop will take place at RIN CENTRAL HOTEL, room George Calinescu ([www.rinhotels.ro](http://www.rinhotels.ro)), Str. Traian No. 55A, sector 3, Bucharest, Postal Code 030573, Romania, located close to the Bucharest downtown and commercial area.

**Travel and accommodation**

Transport from Bucharest-Otopeni to city centre may be done by shuttle bus line 783, stop Piata Unirii (Unirii Square) or by taxi. Recommended taxi lines: Taxi 2000, Taxi Cobalcescu, Speed Taxi and Taxi Mondial at the rate of 1.39 Romanian Lei/km (approx. 0.32 EUR/km), estimated trip cost 50 Lei (12 EUR).

25 rooms are booked in RIN Central Hotel at a rate of 58 EUR/night including breakfast, payment on site by credit card. Lunches will be also available in the RIN Central Hotel Restaurant and may be paid by credit card. Participants who select to stay in this hotel are requested to complete the table in the registration form.