



China-Italy Bilateral Workshop on Advanced Flame Retarded

Materials, 2021

Beijing - Turin, September 2nd -3rd, 2021

1. Background

China-Italy Bilateral Workshop on Advanced Flame Retarded Materials is co-hosted by Beijing Institute of Technology and Politecnico di Torino. Two parallel sessions are held at Beijing and Turin during September 2nd and 3rd by the online and offline conferences simultaneously. Including Prof. Giovanni Camino and Prof. Rongjie Yang, scholars and graduate students are invited to give oral presentations to discuss the research progress in advanced flame retardant materials. The workshop builds a bridge for wide collaboration and deep communication between two universities.

2. Organization

Organizers: Beijing Institute of Technology, Politecnico di Torino

3. Topics

No.	Topics
1	Fundamental in Fire Behavior and Fire Retardancy
2	Design, Synthesis and Application of Flame Retardants
3	Novel Flame Retardant Polymers and Composites
4	Fire Retardancy of Fibers, Textiles, Foams and Films
5	Biobased Flame Retardant Systems

4. Chairmen

Prof. Giovanni Camino, Politecnico di Torino, Italy.

Prof. Rongjie Yang, Beijing Institute of Technology, China.

5. Committees

Prof. Alberto Frache, Politecnico di Torino, Italy.

Prof. Alberto Fina, Politecnico di Torino, Italy.

Prof. Federico Cariso, Politecnico di Torino, Italy.

Prof. Rongjie Yang, Beijing Institute of Technology, China

Prof. Dinghua Li, Beijing Institute of Technology, China

Prof. Wenchao Zhang, Beijing Institute of Technology, China

6. Secretary

Dr. Silu Chen, Beijing Institute of Technology, China

7. Invited presentations

September 2nd, 2021	Chairman: Rongjie Yang	
Time: GMT+2	Speaker	Presentations
8:30 - 9:30	Giovanni Camino	MECHANISTIC STUDIES IN POLYMER FIRE RETARDANCE-Chemical aspects in fire ignition and propagation
9:30 - 10:00	Dinghua Li	Effect of Boron Nitride in Flame Retarded EVA/Magnesium Hydroxide
10:00 - 10:30	Break	
	Chairman: Alberto Frache	
10:30 - 11:00	Samuele Matta	Biochar, a new potential flame retardant

11:00 - 11:30	Wenyuan Zhang	Study on Synthesis of Transition Metal-containing Polyhedral Oligomeric Silsesquioxane and its Application in Epoxy Resin
September 3rd, 2021	Chairman: Giovanni Camino	
Time: GMT+2	Speaker	Presentations
8:30 - 9:00	Rongjie Yang	Flame Retardance of Poly Lactic Acid (PLA) - the simplest way
9:00 - 9:30	Federico Carosio	High Performing Flame Retardant Materials from Surface or Bulk Nanostructuring of Biobased Components
9:30 - 10:00	Break	
Time: GMT+2	Chairman: Wenchao Zhang	
10:00 - 10:30	Silu Chen	Preparation of Flame-Retardant Cotton Fabrics by the LbL Assembly Method
10:30 - 11:00	Xin Zhang	Synthesis and Performance of Intrinsically Flame-retardant, Low-smoke Biobased Vinyl Ester Resin
11:00 - 11:30	Giovanni Camino	FIRE RETARDANCE TESTING : MERGING SCIENCE WITH TECHNOLOGY - Use of fire testing in materials development vs. Commercial rating

8. Formation and Location

Due to the current epidemic situation, the workshop is held online and offline simultaneously in Beijing and Turin. All members can get access to the sessions by the link below:

<https://meeting.tencent.com/dm/OVRpaKyCUCNd?rs=25>

Meeting ID: 610 4733 9679

9. Contacts

Italy :

Prof. Alberto Frache, alberto.frache@polito.it

China:

Dr. Silu Chen: +86 18801252991, chensilu@bit.edu.cn

Prof. Dinghua Li: +86 13601038267, dli@bit.edu.cn

