

Topic: Recent Advances in Flame Retardant Polymer Composites and Textiles



Speaker: Professor Sheng Zhang
Center for Fire Safety Materials
Beijing University of Chemical Technology

Date: 8 Nov 2017 (Wed.)

Time: 4:00 ~ 4:40 pm

Venue: ST602, PolyU

Abstract: The presentation will summarize the latest research undertaken in the Center for Fire Safety Materials at Beijing University of Chemical Technology. It will cover the design and preparation of non-halogen containing flame retardants, the fabrication and processing of high performance flame retardant polymers (such as durable flame retardant textiles, high performance flame retardant polymer composite and non-halogen flame retardant EPS foams), and the fire performance and fire resistant mechanism of flame retardant materials, and the application of bio-based flame retardants in polymers/textiles.

About the Speaker

Professor Sheng Zhang is a Professor in polymer science at Beijing University of Chemical Technology. His research interests cover the design and preparation of non-halogen containing flame retardants, the fabrication/processing of multi-functional flame retardant polymeric materials/textiles/coatings, and the flammability/fire resistance mechanism of flame retardant materials. Up to now, he is the author/co-author of about 270 papers published in refereed journals. He is the vice-chairman of Fire Prevention Committee of Structural and Building materials of Chinese architecture society, an executive member of China Flame Retardant Society, the member of Chemical Industry and Engineering Society of China, Chemical Industry and Engineering Society of China (CIESC), the academic committee of China fire protection association and etc.

Following his presentation, Professor Zhang would like to meet up with colleagues and explore potential collaboration opportunities between ITC and the Center for Fire Safety Materials at BUCT.