

A SYLICA International Workshop:**Polymer service-life: Estimation, durability and controlled performance**

The workshop is a part of **SYLICA** project (Synergies of Life and Material Sciences to Create a New Future). The issue is to discuss the latest findings concerning the degradation and stability of polymers, generated in the field of both academy/university and commercial industry research. Meeting the people of the branch is the main goal. The workshop will be held in English.

October 22, 2014

Masaryk University Campus
Bohunice, Kamenice street 5
building A35, room 211

Workshop programme:

- 09:30-10:15 Hindered Amine Chemistry for Efficient Controlled Degradation of Polypropylene
Andreas THUERMER (BASF AG; Basel, Switzerland)
- 10:15-11:00 Processing and Properties of PLA, PHB and PLA/PHB Blends
Pavol ALEXY (Slovak Technical University, Bratislava, Slovakia)
- 11:00-11:45 How to Improve (Photo)Oxidative Stability of Flame Retarded Polymers
Rudolf PFAENDNER (Fraunhofer Institute LBF; Darmstadt, Germany)
- 11:45-13:00 Lunch Break
- 13:00-13:45 Stabilization of Polyethylene with Natural Antioxidants
Béla PUKÁNSZKY, Balázs Kirschweng, Dóra Tátraaljai, Enikő Földes
(Budapest University of Technology and Economics; Hungarian Academy of Sciences, HU)
- 13:45-14:30 Polymers Oxidation and Stabilization – A Kinetic Study
Emmanuel RICHAUD (École Nationale Supérieure des Arts et Métiers - ENSAM, Paris)
- 14:30-15:15 The Preservation of Polyolefins During Their Service Life: A Discussion of the Current Limits
Klaus KECK, HeeJung Kwon & Th. Schmutz (Songwon Industrial; Switzerland - South Korea)
- 15:15-16:00 Discussion