

IHRS NANONET COURSE

Multifunctional Dendritic Polymers Architectures – Synthesis, Properties and Applications

Lecturer	Prof. Dr. Brigitte Voit (IPF Dresden)
Dates	03-04 February 2014
Location	IPF Dresden (Hohe Str. 6), Lab-building, seminar room
Content	This course covers specially the synthesis and modification of dendritic polymers and their application in (nanocomposite) coatings, thin films, nanotechnology and biomedical applications

Detailed agenda

Monday, 03 February 2014

09:00 - 10:30	General introduction to dendritic polymers and synthetic approaches (B. Voit)
10:30 – 11:00	<i>Break</i>
11:00 – 12:30	Hyperbranched polymers in coating and thin film applications (B. Voit)
12:30 – 13:30	<i>Lunch break (at IPF)</i>
13:30 – 15:00	Solution behavior of dendritic polymers/Segmental density issues (A. Lederer)
15:00 – 15:30	<i>Break</i>
15:30 – 17:00	Characterization of dendritic polymers and assemblies by field flow fractionation (S. Boye)

Tuesday, 04 February 2014

09:00 - 10:30	Dendritic polymers in biomedical applications (D. Appelhans, B. Voit)
10:30 – 11:00	<i>Break</i>
11:00 – 12:30	Dendritic polymer hybrids in nanotechnology applications (B. Voit, D. Appelhans)
12:30 – 13:30	<i>Official end of course / Lunch break (at IPF)</i>
From 13:30	Optional activities: Visit of IPF laboratories; Discussions with lecturers and IPF co-workers