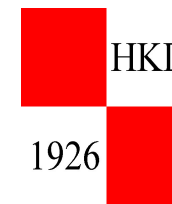




Institut Ruđer Bošković

XCIII. Kolokvij Zavoda za organsku kemiju i biokemiju i
Sekcije za organsku kemiju Hrvatskog kemijskog društva



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Utorak, 05. 06. 2012. godine
Predavaonica III. krila IRB

14.30-15.30 sati

Nano-Objects of Anthracenes with Extended Conjugation in 9,10-positions

New compounds generating functional devices on the nanometer scale and nano-structured materials are explored in photonics for light generation, optical information treatment and energy transport. *n*-acenes, such as anthracenes, tetracenes and pentacenes display efficient absorption and emission. The latter higher *n*-acenes have also raised much interest in molecular electronics due to their record charge mobility in crystals. The molecular features can be transferred through reversible selfassembly to supramolecular fibers that afford macroscopic directionality and a high molecular organization.