



KEMIJSKI INŠTITUT

Vabilo na Forum40 / Invitation to the Forum40

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D07, Department of Polymer Chemistry and Technology

Četrtek / Thursday, 1.2.2018 ob / at 13:00

Velika predavalnica Kemijskega inštituta / Great Lecture Hall, National Institute of Chemistry; Hajdrihova 19, Ljubljana

## Porous Polymers@Work

This research aims at the advancement of emulsion templating technique. In particular the high internal phase emulsion (HIPE) is intended and its applicability in the synthesis of highly porous polymers will be presented. The types of materials synthesized include superabsorbent hydrogels, nanocomposites that can be further carbonized to porous carbons and hydrophobic-hydrophilic bicontinuous polymers. The large number of methods available to functionalize polyHIPEs (polymerized high internal phase emulsions) has enhanced their utility for such applications as heterogeneous phase synthesis, chromatography, ion exchange, separation, and tissue engineering, to name a few.



Vljudno vabljeni / Kindly invited