



Vabilo na predavanje / Invitation to the lecture

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Petek / Friday 4. 1. 2019, ob / at 10:30

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

Complex chemical systems *via* subcomponent self-assembly

The use of chemical self-assembly as a synthetic technique can simplify materials preparation by shifting intellectual effort away from designing molecules, and towards the design of *chemical systems* that are capable of self-assembling in such a way as to express desired properties and functions. Current challenges involve inducing multiple structures to form in parallel,^[4] such that they may act in concert to achieve a catalytic goal.^[5] Our techniques thus provide a point of entry into the emerging field of *systems chemistry*.^[6] Functional systems that we have recently developed include a fuel-controlled self-assembly process^[7] and a series of cages that can phase-segregate^[8] and transit between liquid phases.^[9]

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Vljudno vabljeni / Kindly invited