



CoffeeTalk@ISOF

Energy landscapes of supramolecular systems

Giulio Ragazzon

Dipartimento di Chimica "Giacomo Ciamician", Università di Bologna
giulio.ragazzon@unibo.it



Self-assembling and interlocked molecules are known since several decades and constitute a widely studied class of systems. Their properties reflect the features of the energy landscape that can be explored. Despite the huge body of literature on supramolecular systems, a careful analysis reveals that – typically – only little information is known about such energy surfaces. Starting from some experimental examples[1], it will be highlighted how a deeper understanding of the thermodynamic and kinetic features of supramolecular systems can open new possibilities up, from pKa engineering and modulation, to the development of nonequilibrium self-assembly.

Giulio Ragazzon is a PhD student in the group of Prof. Aberto Credi. His research interests relate to supramolecular chemistry, with a focus on molecular machines and nonequilibrium systems. He came to Bologna to experience the longstanding tradition of photochemistry and the lively atmosphere of Collegio Superiore, but performed research also in Warwick (UK), Bordeaux (FR) and Tokyo (JP). He is the recipient of NEST Prize 2014 for research in nanoscience.

[1] Unpublished results from our lab, including key aspects at the basis of Nat. Nanotechnol. **2015** 10, 70.

Tuesday 14 June 2016, 14:30
ISOF 12 – Meeting Room (1st floor)
CNR Research Area
Via Gobetti 101, Bologna



Follow us on **facebook**: <http://www.facebook.com/coffeetalkisof>

