



Chemistry Department e-Seminar

Friday, 01.04.2022 at 15:40 face-to-face and using WebEx

Meeting number: 2670 076 3757

Password: Chem602

<https://metu.webex.com/metu/j.php?MTID=m186909af7c7a1e64cffcc046dc422c45>

Molecular Machines in Regular 2-D Systems



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BS, Computer Information Systems, National Technical University of Ukraine, Kyiv, 1998
MSc, Engineering of scientific instruments, National Technical University of Ukraine, Kyiv, 2000
PhD, University of Turin, Italy, 2010
Post-Doctoral Fellow, NIS center of excellence of the University of Turin, 2010-2014
Senior Scientist, The Smart Materials Research Institute of the Southern Federal University, 2014-2018
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Abstract: The scientific research at university is unthinkable without involvement of students of different grades. The development of novel materials of industrial relevance includes multiple trial syntheses to optimize parameters and ensure reproducibility of the product. In this regard, a research team adopts some protocols providing so-called model materials, considered as a playground for in-depth studies. In case of such nanostructured materials as catalysts, these lab-made products either mimic essential properties of commercially available products or serve as prototypes for development of new systems performing equally or better than existing analogues. A free exchange of thoughts on the matter is expected to grow from the seed of a few examples taken from the published works of the speaker.

