

演 題 : **"Perspectives in Molecular tectonics"**

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場 所 : 工学部・材料・化学系棟 5 階

大会議室 (5 2 6 号室)

The design and construction of periodic architectures in the crystalline phase or at surfaces are attracting considerable interest over the last two decades. The strategy called molecular tectonics that we follow to generate molecular networks is based on combinations of complementary tectons (molecular construction units). The generation of such infinite architectures is achieved by self-assembly processes through molecular recognition events and their repetition. This approach, not allows to analyse and describe molecular crystals as periodic networks, but is also operational for the design and construction of complex purely organic or hybrid architectures in the solid state or on surface. The approach combining supramolecular synthesis and selfassembly processes in the solid state or on surface will be presented and illustrated by a variety of tectons and networks.

なお、Hosseini 先生はこの他に、理学部において異なるタイトルでの講演をされる予定ですので (10 月 7 日) 合わせてご参加下さい。

本講演は『化学研究先端講義／総合化学特別研究第二』の一部として認定されています

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