

Duality of Metal Atom Clusters: a Tool to Describe Solid State Structures and Their Physical Properties & Molecular Building Blocks for the Design of Hybrids Nanomaterials

24th September, 2015: 4:00-5:00 p.m.

Seminar Room W-501, WPI/MANA Bldg, 5F, Namiki site

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The solid state cluster chemistry has yielded a wide library of compounds with fascinating crystal structures and properties (e.g.: thermoelectricity, intercalation/de-intercalation processes...). Besides their numerous physical properties in the solid state, many solid-state compounds afford discrete soluble building blocks(monodispersed size, luminescence, sensitization, catalytic and photo-catalytic properties...) that are relevant for the elaboration and structuration of hybrid nanomaterials.