

The 231st MANA Special Seminar



Recent Advances in Inorganic-Organic Framework Materials Chair: Dr. Yoshio Bando (MANA COO)

Prof. Anthony Cheetham

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The study of porous Metal-Organic Frameworks (MOFs) is one of the most fashionable areas of materials science. The Zeolitic Imidazolate Frameworks (ZIFs) are a particularly interesting sub-class of MOFs on account of their close structural relationship to aluminosilicate zeolites. I shall discuss our recent work on ZIFs, including novel synthetic routes, energetics, mechanical properties, their behavior under pressure, and amorphization. I shall also describe some of our on-going work on dense frameworks, including their electronic and magnetic properties, as well as their nanostructures.

Venue: Seminar Room #431-432, 4F, MANA Bldg., Namiki

Date: **November 11th (Friday)** **Time:** **15:30-16:15**

Contact: International Center for Materials Nanoarchitectonics (MANA), Nakata (ex. 8806)

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