

Self-assembly of magnetically interesting coordination compounds

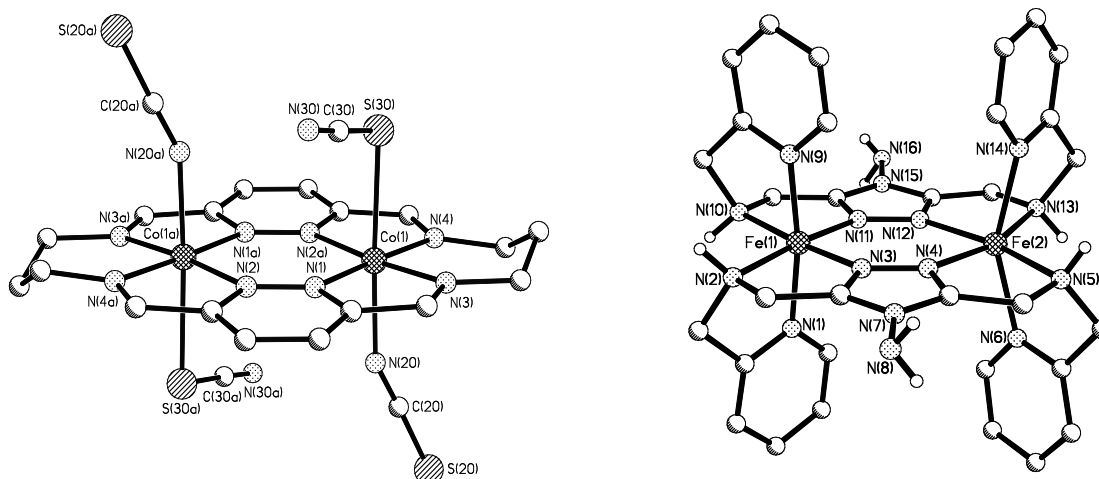
Professor Sally Brooker

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-12.15pm-
-Thursday 3rd May 2007-

-Abstract-

Macrocycles provide a lot of control over the environment of the transition metal ions they encapsulate and this can be exploited, for example, in efforts to prepare and fine-tune the properties of complexes which have potential as nano-switch or memory devices. We have developed a range of macrocycles, and related acyclic polydentate ligand strands, which contain within their frameworks groups capable of bridging the incorporated metal ions. This presentation will focus on the design, synthesis, structure and magnetic behaviour of systems which feature heterocycle-bridging of the transition metal ions.



Venues

- Rankine Brown 106, Victoria University of Wellington-
- Video Conference Room, C-Block, IRL, Gracefield Site, Lower Hutt-
- Level-3 lecture theatre (A309), ELEC Dept Building, Canterbury University-
- Turitea R1.07, Massey University-
- Conference Room 2, Otago University-



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