

## M11.FF Intermolecular Interactions

**Chair: K. Suwinska**

**Co-Chair: J.C.A. Boeyens**

**Attendance: 123**



This session combined talks on short courses given by lecturers in the USA and Egypt with others on teaching using the Internet or stand-alone personal microcomputers.

Hi-C Wang described the content and operation of the ACA course given in July 1999, illustrated with slides of participating students. The course has 8 days of general crystallography, with hands-on structure solving, followed by another 4 days on the techniques of crystallisation and structure refinement for macromolecules.

David Moss coordinated the development and use of several Internet based courses in structural molecular biology, beginning in 1996 with the 'Principles of Protein structure'; a third course on 'Powder Diffraction' is planned for October 1999. He highlighted the advantages and problems associated with teaching a world-wide class living in different time zones, most of whom the instructors never met face to face.

Ann Fretwell spoke on the development of the MATTER project, now a set of some 30 modules on aspects of materials science available on CD-ROM, with an interactive demonstration of parts of the 'Crystallography' module. A Web based 'Diffraction' module is planned to be freely accessible on the Internet in October 1999.

Karimat Al-Sayed described the content of a materials science course for M.Sc students given in Egypt.

Reinherd Neder concluded the session with an interactive demonstration of his program using computer simulation as a teaching tool.

*K.M.Crennell*