Title: Defining sets of block designs and how to find them

Abstract
In a given class of combinatorial structures there may be many distinct objects with the same parameters. Two questions arise naturally.

- Given two such objects, where and how do they differ?
- How much of an individual object is needed to identify it uniquely?

These questions are obviously related, the first leading to the concept of a trade, and the second to that of a defining set.

This talk deals with minimal defining sets in block designs and with several ways of finding them, including an efficient new algorithm.

All faculty and students are welcome.