- **Title:** Recent progress and open problems in the theory of non-commutative infinitedimensional Banach spaces.
- Abstract: Let H be an infinite-dimensional Hilbert space. A non-commutative Banach space, or *operator* space, is defined to be a closed linear subspace of B(H) endowed with its natural tensor product norm on \mathbf{K} , the space of compact operators on ℓ^2 . The talk will deal mainly with Banach and operator space properties of C^* algebras, especially \mathbf{K} itself, and non-commutative L^p spaces. Particular topics include operator space analogues of the separable extension property and embedding and renorming problems for non-commutative L^p spaces.