SPECIAL COLLOQUIUM - FOURTH NIGEL KALTON MEMORIAL LECTURE
(Please note change of time and room below).

Prof. Michael Cwikel, Technion - Israel Institute of Technology

Alberto Calderón's 52 year old question in interpolation.
Before Nigel, Nigel, and after Nigel

Abstract

Much, but not all, of this lecture will be intended for a general mathematical audience. It will begin with a very brief historical survey of interpolation of operators and interpolation spaces, and their applications to other topics (such as Fourier series and even mathematical physics). Then it will focus on Alberto Calderón's complex method for constructing interpolation spaces and formulate a problem about them which he posed and solved in a special case 52 years ago. Various other quite different spccial cases have since been solved, several of them by Nigel Kalton in 1995 (with some modest assistance from the speaker). A few, all too few, additional cases have been solved since 1995 and members of the audience are warmly invited to help settle this matter once and for all. Several experts believe that there is a counterexample to the general case, and we can roughly hint at where it could be hiding. Perhaps someone with expertise in holomorphic functions of several complex variables has some relevant insights here which are yet to be exploited. I also have a little question for those of you who are experts about UMD spaces.

Date and time: Thursday, April 7, 3:00 PM
Room: Strickland Hall 310.
PLEASE NOTE CHANGE OF TIME AND ROOM!

The Kalton Memorial Lecture will be followed by an informal talk by Prof. Cwikel, recalling some personal memories of Nigel.

A few, just a few, fond recollections of Nigel.

Abstract

According to Mathscinet, Nigel, may his memory be blessed, had 111 coauthors. Each of us, and also surely many of Nigel's other friends can surely tell you all kinds of things about our friendship and fascinating interactions with Nigel about mathematical and other topics.

So my own experiences of being and working and corresponding with Nigel, which I remember with much gratitude and fondness, are only some very tiny part, less that one percent of a very big and remarkable picture. I will mention at least some of them, and show a few photos. If time permits, I may also, with Garth Dales' very kind permission, show some excerpts from a talk which Garth gave in Luminy last year about, among other things, Nigel's and his student days together in Cambridge. (I understand that some of the audience may have heard a somewhat similar talk by Garth during an earlier visit that he made to your department.)

Date and time: Thursday, April 7, Approx. 4:10 PM, following the Kalton Memorial Lecture after a short break.
Room: Strickland Hall 310.

Refreshments will be served at 2:15.
Room 306 Math Sciences (Math Common Room).