## Recommended Restaurants

<table>
<thead>
<tr>
<th>More Expensive</th>
<th>Less Expensive</th>
</tr>
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<tbody>
<tr>
<td>Giulia (classic Italian)</td>
<td>Russell House Tavern (pub fare)</td>
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<tr>
<td>Rialto (Italian inspired)</td>
<td>Grafton Street (pub fare)</td>
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<tr>
<td>Toscano (classic Italian)</td>
<td>Cambridge One (pizza)</td>
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<tr>
<td>Harvest (modern American)</td>
<td>Daedalus (pub fare)</td>
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<tr>
<td>Alden &amp; Harlow (modern American)</td>
<td>Tanjore (Indian)</td>
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<td>Spice (Thai)</td>
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**In black:** Fong Auditorium (Boylston), the Faculty Club, and the Society of Fellows (Eliot House)
Friday, March 27:

2:00 - 3:00
Fong Auditorium

Norming Infinitesimals of Large Fields
H. G. Dales

Long ago, I worked on a question of Kaplansky concerning the existence of discontinuous homomorphisms into a Banach algebra from the algebra C(Ω) of all continuous functions on a compact space Ω. I shall recall this problem and some reformulations, and note that with GH, such discontinuous homomorphisms were constructed by myself and by Jean Esterle. I shall also explain that Hugh Woodin proved that there are models of ZFC in which all such homomorphisms are continuous. Thus the question is independent of ZFC.

One reformulation involves norming the infinitesimals of a large ordered field. This leads to two natural questions. First, for which fields is this possible? Second, when are ordered fields isomorphic to fields, such as hyper-real fields and super-real fields, that arise from algebras of continuous functions? Large cardinals come in here.

I claim that one particular field is a 'natural grown-up version of the real line'. But it is open whether the infinitesimals of this field are normable.

3:30 - 4:30

Strong Reflection Properties at ω₁ and Inner Models with Huge Cardinals
Matthew Foreman

A consistent variant of Chang's Conjecture is presented that implies an inner model with a huge cardinal. The proof is quite elementary and will be presented.

5:00 - 7:00
Harvard Faculty Club

Reception

Saturday, March 28:

8:15 - 9:00
Ticknor Lounge

Breakfast

9:00 - 10:00
Fong Auditorium

Subcomplete and Subproper Forcing
Ronald Jensen

This talk is about a relatively new subject, developed in the last two decades or so, which is at the interface of descriptive set theory and graph theory but also has interesting connections with other areas such as ergodic theory and probability theory.

The object of study is the theory of definable graphs, usually Borel or analytic, on Polish spaces and one investigates how combinatorial concepts, such as colorings and matchings, behave under definability constraints, i.e., when they are required to be definable or perhaps well-behaved in the topological or measure theoretic sense.

10:30 - 11:30

Descriptive Graph Combinatorics
Alexander S. Kechris

Sunday, March 29:

8:15 - 9:00
Ticknor Lounge

Breakfast

9:00 - 10:00
Fong Auditorium

Woodin's Contributions to Recursion Theory
Theodore A. Slaman

I will discuss Woodin's contributions to Recursion Theory and the subsequent work that builds upon them.

10:30 - 11:30

Equiconsistencies at Subcompact Cardinals
John Steel

We say that a regular cardinal δ is threadable just in case every coherent sequence of clubs of length δ can be properly extended. It is consistent relative to supercompact cardinals that every δ ≥ ω₁ is threadable. It seems likely that the converse relative consistency statement is true. We describe some work in this direction due to Itay Neeman and the author.

Organizers: Peter Koellner (919) 698-2532, Paul Larson (301) 580-8412, Gabriel Goldberg (323) 206-1749