

CMI-LMS Research School
Computational Algebraic Topology
Oxford 7-11 September

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00-10:00	<i>Registration</i>	Found PH	Found PH	Random C	<i>Guest Lecture</i>
10:00-11:00	Found PH	Found PH	Found PH	PH Appl	<i>ATI</i>
Coffee					
11:30- 12:30	Found PH	D Morse T	D Morse T	<i>Prob Session</i> D Morse T	PH Software
Lunch					
13:30-14:30	<i>LabTime</i>	<i>Lab Time</i>	<i>Lab Time</i>	<i>ATI</i>	<i>Software demo</i>
14:30-15:30	D Morse T	PH Appl	Random C	<i>ATI</i>	<i>ATI</i>
Tea					
16:00-17:00	PH Appl	Random C	<i>Participants Forum</i>	<i>ATI</i>	<i>ATI</i>
17:00-18:00	<i>Prob Session</i> Found PH	<i>Prob Session</i> Found PH	<i>Excursion</i>	<i>ATI</i>	<i>ATI</i>
Dinner	<i>Somerville C</i>	<i>Somerville C</i>	<i>Pub</i>	<i>ATI Dinner</i>	

Lecture courses:

Robert Ghrist: Foundations of persistent homology
Vidit Nanda: Discrete Morse theory and cellular sheaf theory
Omer Bobrowski: Random simplicial complexes
Michael Kerber: Applications and software development

Software demo: *Nina Otter*

Guest lecture: *Herbert Edelsbrunner*

Participants Forum: A series of short talks (5-10min).
Participants are invited to submit a title and abstract.

ATI scoping workshop: Topological Data Analysis

The research school is linked to the Alan Turing Institute workshop taking place on Thursday and Friday. In particular, participants of the research school are invited to attend all lectures of the ATI workshop and the workshop dinner on Thursday evening.

Lectures are in L5 and *Lab Time* and *Problem Sessions* are in C1 on the Mezzanine Floor of the AWB.