IMS Graduate Summer School in Logic 2025
Week 2 (Lectures by Theodore Slaman)

(7–11 July 2025)

Lecturers

Anand Pillay
University of Notre Dame, USA

Theodore A Slaman
University of California at Berkeley, USA

W Hugh Woodin
Harvard University, USA

Venue

Morning Sessions
IMS Executive Seminar Room
Bock S17, Level 3

Afternoon Sessions
S17 #05-12
Bock S17, Level 5

Block S17
10 Lower Kent Ridge Rd Singapore 119076

For more information: https://ims.nus.edu.sg/events/sslogic2025/

IMS Graduate Summer School in Logic 2025
Week 2 (Lectures by Theodore Slaman)
(7–11 July 2025)

Monday, 7 July 2025

Time	Title	Speaker
0915–0930	Registration	
0930–1045	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1045–1115	Coffee Break	
1115–1230	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1230–1400	Lunch Break	
1400–1600	Problem session	

Tuesday, 8 July 2025

Time	Title	Speaker
0915–0930	Registration	
0930–1045	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1045–1115	Coffee Break	
1115–1230	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1230–1400	Lunch Break	
1400–1600	Problem Session	
Student Talks		
1600–1630	Introduction to Effective Fractal Dimension	Benjamin Koch *Swansea University, UK*
1630–1700	Dimensions of Generic Reals	Yiping Miao *University of California, Berkeley, USA*

Wednesday, 9 July 2025

Time	Title	Speaker
0915–0930	Registration	
0930–1045	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1045–1115	Coffee Break	
1115–1230	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1230–1400	Lunch Break	
1400–1600	Problem session	

Thursday, 10 July 2025

Time	Title	Speaker
0915–0930	Registration	
0930–1045	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1045–1115	Coffee Break	
1115–1230	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1230–1400	Lunch Break	
1400–1600	Problem Session	
Student Talks		
1600–1630	On the Partially Classifiable Ceers	Uldana Ostemirova *Kazakh-British Technical University, Kazakhstan*
1630–1700	Generalized Computable Numberings	Fariza Rakymzhankyzy *Kazakh-British Technical University, Kazakhstan*
1700–1730	A Variant of Chaitin's Ω Function	Yuxuan Li *Fudan University, China*

Friday, 11 July 2025

Time	Title	Speaker
0915–0930	Registration	

Friday, 11 July 2025		
Time	**Title**	**Speaker**
0930–1045	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1045–1115	Coffee Break	
1115–1230	Recursion Theoretic Methods within the Arithmetic Hierarchy and an Application within Geometric Measure Theory	Theodore Slaman *University of California at Berkeley, USA*
1230–1400	Lunch Break	
1400–1600	Problem session	

This schedule is accurate as of 02 Jul 2025 and is subjected to changes.