

## Recent Applications of Model Theory

Tutorial on applications of model theory in complex geometry and differential algebra  
(30 June–4 July 2025)



### ORGANIZING COMMITTEE

Artem Chernikov  
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*University of Haifa*

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*National University of Singapore*

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*University of Oxford*



### Venue

IMS Executive Seminar Room  
Bock S17, Level 3  
10 Lower Kent Ridge Rd Singapore 119076

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### Monday, 30 June 2025

Time	Title	Speaker
0930–1130	Free Discussion	
1130–1330	Lunch Break	
1330–1530	O-minimal Structures: From Basics to Applications Part I	Sergei Starchenko <i>University of Notre Dame, USA</i>
1530–1730	Functional Transcendence and the Model Theory of Differential Fields Part I	Ronnie Nagloo <i>University of Illinois at Chicago, USA</i>

### Tuesday, 01 July 2025

Time	Title	Speaker
0930–1130	Free Discussion	
1130–1330	Lunch Break	
1330–1530	O-minimal Structures: From Basics to Applications Part II	Sergei Starchenko <i>University of Notre Dame, USA</i>
1530–1730	Functional Transcendence and the Model Theory of Differential Fields Part II	Ronnie Nagloo <i>University of Illinois at Chicago, USA</i>

### Thursday, 03 July 2025

Time	Title	Speaker
0930–1130	Free Discussion	
1130–1330	Lunch Break	
1330–1530	O-minimal Structures: From Basics to Applications Part III	Sergei Starchenko <i>University of Notre Dame, USA</i>
1530–1730	Functional Transcendence and the Model Theory of Differential Fields Part III	Ronnie Nagloo <i>University of Illinois at Chicago, USA</i>
Venue	S17-04-05	
1730–1800	Type Amalgamation in ACFO	Junguk Lee <i>Changwon National University, S. Korea</i>

Friday, 04 July 2025		
Time	Title	Speaker
0930–1130	Free Discussion	
1130–1300	Lunch Break	
1300–1500	O-minimal Structures: From Basics to Applications Part IV	Sergei Starchenko <i>University of Notre Dame, USA</i>
1500–1700	Functional Transcendence and the Model Theory of Differential Fields Part IV	Ronnie Nagloo <i>University of Illinois at Chicago, USA</i>

This schedule is accurate as of 03 Jul 2025 and is subjected to changes.