

Workshop Two: Black Holes, Naked Singularities, Shocks and Implosions

(6–10 January 2025)

ORGANIZING COMMITTEE

Co-chairs

Xinliang An

National University of Singapore

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University of Cambridge and Princeton University

Juhi Jang

University of South California

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Venue

6–8 January 2025

IMS Executive Seminar
Room

9–10 January 2025

LT34

Block S17, Level 3

10 Lower Kent Ridge Rd
Singapore 119076

For more information: <https://ims.nus.edu.sg/events/singularities-in-fluids-and-general-relativity/>

Singularities in Fluids and General Relativity
Workshop Two: Black Holes, Naked Singularities, Shocks and Implosions
(6–10 January 2025)

Monday, 06 Jan 2025		
Time	Title	Speaker
0900–0930	Registration	
0930–1020		Jeremie Szeftel <i>Sorbonne University, France</i>
1020–1110		Jared Speck <i>Vanderbilt University, USA</i>
1110–1140	Tea Break	
1140–1230		Greg Fournodavlos <i>University of Crete, Greece</i>
1230–1400	Lunch Break	
1400–1450		Leonardo Abbrescia <i>Georgia Institute of Technology, USA</i>
1450–1540		Siyuan Ma <i>Academy of Mathematics and Systems Science, CAS, China</i>
1540–1610	Tea Break	
1610–1700		Dawei Shen <i>Columbia University, USA</i>
Tuesday, 07 Jan 2025		
Time	Title	Speaker
0915–0930	Registration	
0930–1020		Jonathan Luk <i>Stanford University, USA</i>
1020–1110		Sung-Jin Oh <i>University of California, Berkeley, USA</i>
1110–1140	Group Photo & Tea Break	
1140–1230		Dejan Gajic <i>Universität Leipzig, Germany</i>
1230–1400	Lunch Reception at IMS	
1400–1450	Shock Formation for the Einstein—Euler System	John Anderson <i>Stanford University, USA</i>

Tuesday, 07 Jan 2025		
Time	Title	Speaker
1450–1540		Sanchit Chatuverdi <i>Stanford University, USA</i>
1540–1610	Tea Break	
1610–1700		Ryan Unger <i>Princeton University, USA</i>
Wednesday, 08 Jan 2025		
Time	Title	Speaker
0915–0930	Registration	
0930–1020	Singularities in Fluid: Self-similar Analysis, Computer Assisted Proofs and Neural Networks	Tristan Buckmaster <i>Courant Institute of Mathematical Sciences, USA</i>
1020–1110		Xinliang An <i>National University of Singapore, Singapore</i>
1110–1400	Lunch Break	
1400–1600	Colloquium talks at IMS	
Thursday, 09 Jan 2025		
Time	Title	Speaker
0915–0930	Registration	
0930–1020		Joachim Kreiger <i>École Polytechnique Fédérale de Lausanne, Switzerland</i>
1020–1110		Pin Yu <i>Tsinghua University, China</i>
1110–1140	Tea Break	
1140–1230	BKL Bounces Outside Homogeneity	Warren Li <i>Princeton University, USA</i>
1230–1400	Lunch Break	
1400–1450		Stefanos Aretakis <i>University of Toronto, Canada</i>
1450–1540		Jan Sbierski <i>The University of Edinburgh, UK</i>
1540–1610	Tea Break	
1610–1700		Junbin Li <i>Sun Yat-sen University, China</i>

Friday, 10 Jan 2025		
Time	Title	Speaker
0915–0930	Registration	
0930–1020	Localised Big Bang Stability	Todd Oliynyk <i>Monash University, Australia</i>
1020–1110		Georgios Moschidis <i>École Polytechnique Fédérale de Lausanne, Switzerland</i>
1110–1140	Tea Break	
1140–1230		Martin Taylor <i>Imperial College London, UK</i>

This schedule is accurate as of 13 Nov 2024 and is subjected to changes.