

**PDE CDT Spring Retreat
C5 MI**

Time	Monday 16 April	Tuesday 17 April	Wednesday 18 April	Thursday 19 April	Time			
09:30		Cohort Report	Student Presentations - Lukas Koch and Patrick Kidger	Student Presentations - Jingmin Xia and Yikun Qiao	09:30			
09:45					09:45			
10:00					10:00			
10:15					10:15			
10:30					10:30			
10:45		Refreshments	Refreshments	Refreshments	10:45			
11:00					11:00			
11:15		Student Presentations - James Kouhout and Panas Kalayanamit	Student Presentations - Yucong Huang and Andre Guerra	Student Presentations - Allen Fang and Ioannis Papadopoulos	11:15			
11:30					11:30			
11:45					11:45			
12:00					12:00			
12:15					12:15			
12:30		Lunch	Lunch	Lunch	12:30			
12:45					12:45			
13:00					13:00			
13:15					13:15			
13:30					13:30			
13:45	Presentation Skills & Research Project Management	Lunch	Lunch	Cohort Report Presentation	13:45			
14:00					14:00			
14:15					14:15			
14:30					14:30			
14:45					Student Presentations - Asad Chaudhary and Jonah Duncan	Mini-Course 1 L1	Mini-Course 2 L1	14:45
15:00								15:00
15:15								15:15
15:30								15:30
15:45								15:45
16:00					Refreshments	Refreshments	Refreshments	16:00
16:15	Student Presentations - Timo Sprekeler	Refreshments	Refreshments	Refreshments	16:15			
16:30					16:30			
16:45					16:45			
17:00					17:00			
17:15					17:15			
17:30		Mini-Course 2 L1	Mini-Course 1 L1	17:30				
17:45				17:45				
18:00				18:00				

James Kouhout Horizontal Curves of Hyperbolic Metrics	Prof Melanie Rupflin
Panas Kalayanamit The Behaviour of Harmonic Map Flow	Prof Melanie Rupflin
Asad Chaudhary Ancient Solutions to the Ricci Flow	Prof Andrew Dancer
Jonah Duncan The existence of conformal metrics with positive Ricci curvature on four-manifolds	Prof Luc Nguyen
Timo Sprekeler On the Regularity of Solutions to Homogenized Equations with regard to the Two-Phase Critical Exponent	Prof Yves Capdeboscq
Lukas Koch Front propagation in modifications of the FKPP equation	Prof Alison Etheridge
Patrick Kidger A Spatial Lambda-Fleming-Viot model for Population Expansion	Prof Alison Etheridge
Yucong Huang Conservation Law on Traffic Flow	Prof Alberto Bressan & Prof Gui-Qiang Chen
Andre Guerra Compensated Compactness and Compressible Euler Equations	Prof Gui-Qiang Chen
Jingmin Xia Construction, implementation and analysis of variational integration schemes for the wave equation	Prof Sina Ober-Blöbaum
Yiikun Qiao Cauchy problem for the Einstein equations	Prof Qian Wang
Allen Fang Decay Of Minkowski Solutions to Maxwell-Klein-Gordon	Prof Qian Wang
Ioannis Papadopoulos Using arclength continuation to trace out solution branches of variational inequalities	Prof Patrick Farrell